Parts

ExactaBlend™ AGP Advanced Glazing Proportioner

332452G

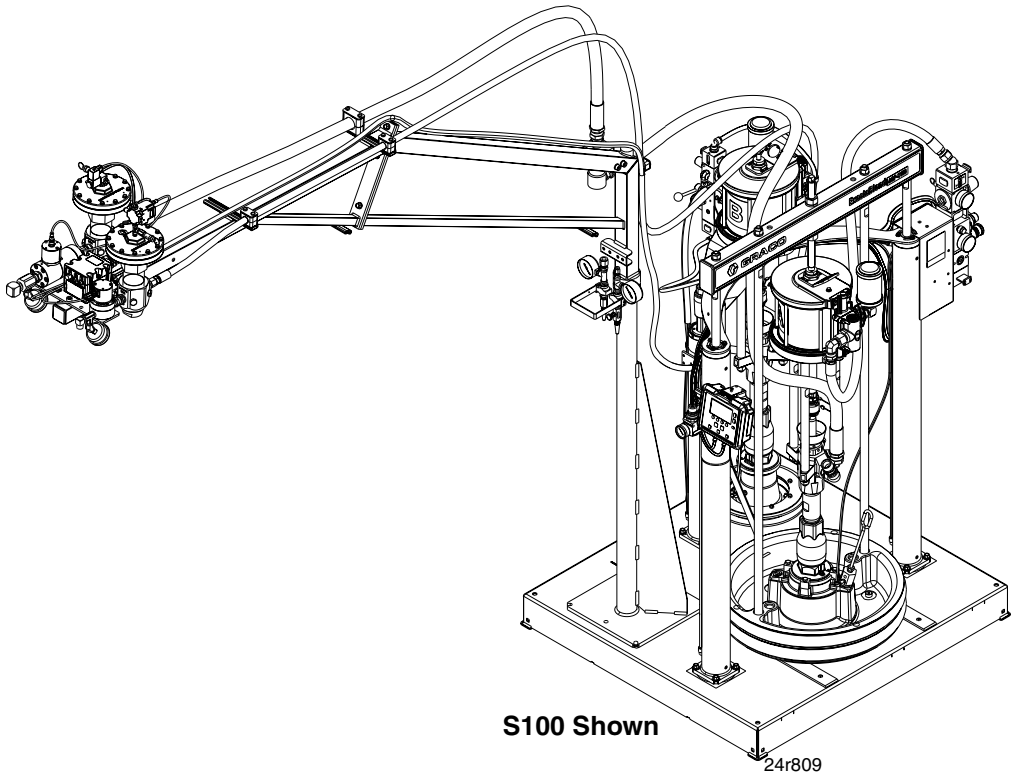
EN

For dispensing two component silicone, polysulfide, and urethane materials.
For professional use only.

Not approved for use in explosive atmospheres or hazardous locations.

Refer to the ExactaBlend AGP Advanced Glazing Proportioner, Setup-Operation manual for maximum working pressure and model information.

Important Safety Instructions
Read all warnings and instructions in this manual and the ExactaBlend AGP Advanced Glazing Proportioner, Setup-Operation manual. Save all instructions.



S100 Shown

24r809

PROVEN QUALITY. LEADING TECHNOLOGY.

Related Manuals

Refer to ExactaBlend AGP Advanced Glazing Proportioner, Setup-Operation manual for the complete list of related manuals.

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S100 Series Parts

S100 Base machine

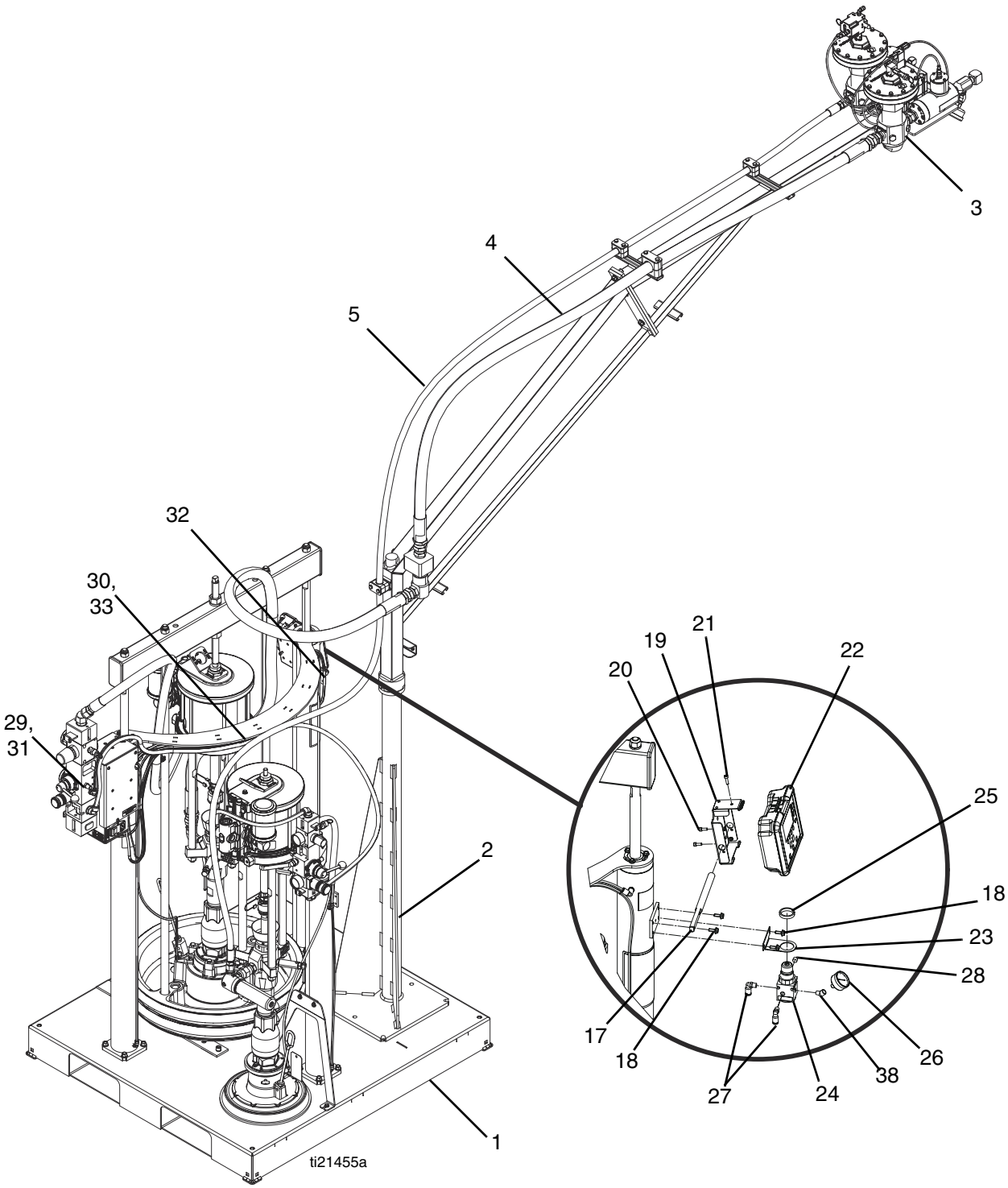

FIG. 1: S100 Base machine

Ref	Part	Description	Quantity	
			24R809, SYSTEM, 100cc/100cc, boom	24R810, SYSTEM, 100cc/100cc
1	---	BASE, 55gal/5gal, S100	1	1
2	---	MODULE, boom	1	
3	---	MODULE, fluid plate, S100	1	1
4	24R662	HOSE, assembly, high volume	1	1
5	24R663	HOSE, assembly, low volume	1	1
10*	16V853	SOFTWARE, GCA	1	1
17	---	BAR, bracket, ram, DM	1	1
18	---	SCREW, machine, hex flange	4	4
19	---	BRACKET, mounting, assembly	1	1
20	---	SCREW, M5x14mm	2	2
21	---	SCREW, socket head, M5x18mm	1	1
22	24T001	MODULE, GCA, DM	1	1
23	---	BRACKET, mounting, regulator	1	1
24	110341	REGULATOR, air	1	1
25	110209	NUT, regulator	1	1
26	108190	GAUGE, pressure, air	1	1
27	597151	FITTING, elbow	2	2
28	100139	PLUG, pipe	1	1
29	116654	FITTING, tube, swivel, male elbow	1	1
30	115287	FITTING, Y tube	1	1
31	---	TUBE, nylon	28.2 ft	28.2 ft
32	120952	CABLE, CAN, female / female	1	1
33	---	SLEEVE, protective, poly, black	12 ft	12 ft
37	206995	FLUID, TSL, 1 quart	1	1
38	113630	ELBOW, street, 45 degree, 1/8 npt	1	1
39*❄	24R824	KIT, tower, light, 30mm, red/green	1	1

--- Not available for individual sale.

❄ *Refer to accessory kits manual for more details.*

* *Not shown.*

S100 Base

1. Apply medium strength thread locker and torque to 30 ft-lb (40 N•m).
2. Apply pipe sealant to all non-swivel NPT threads.
3. Apply medium strength thread locker and torque to 5.1 ft-lb (6.9 N•m).
8. Apply anti-seize compound.

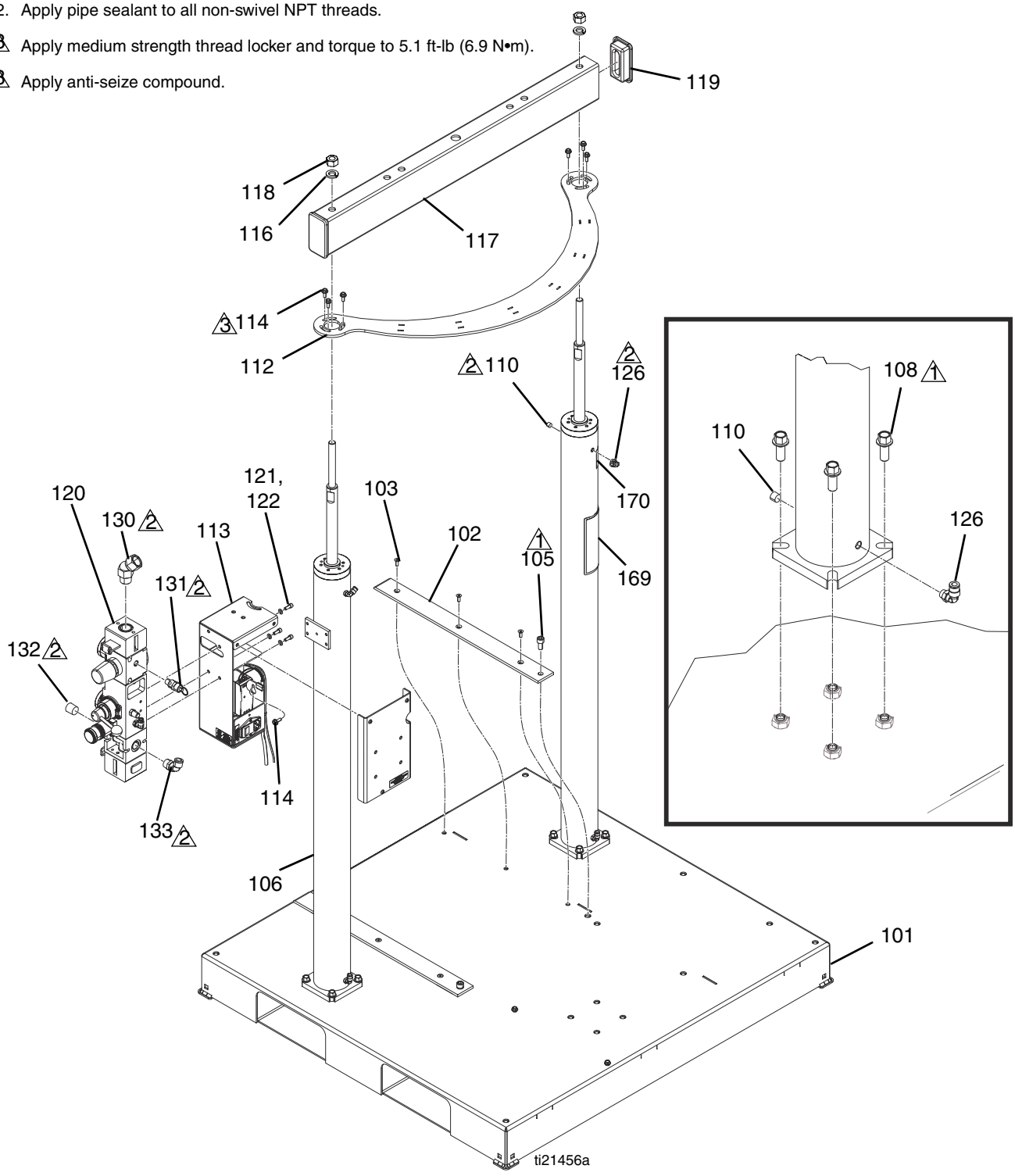

FIG. 2: S100 Base

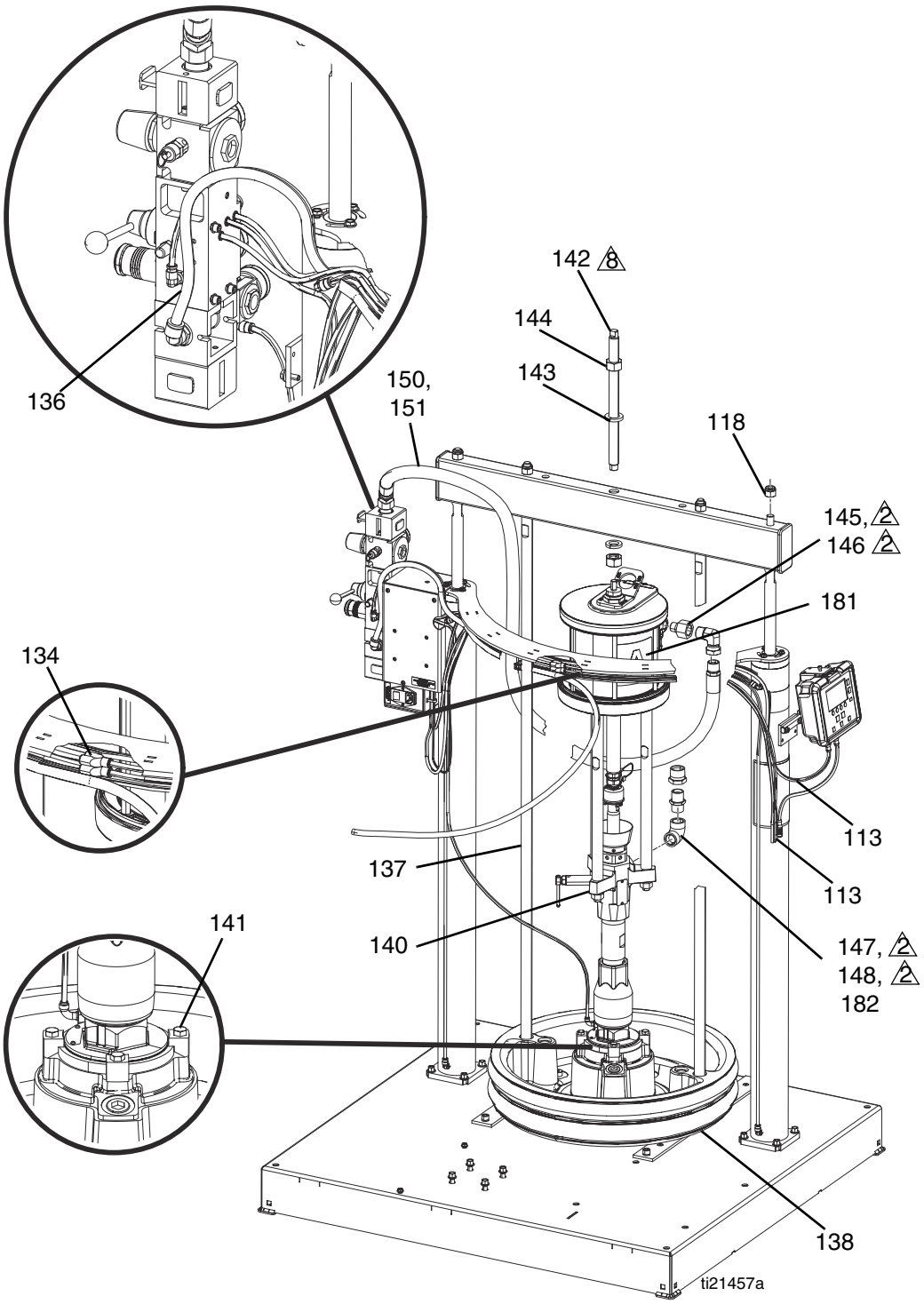

FIG. 3: S100 Base

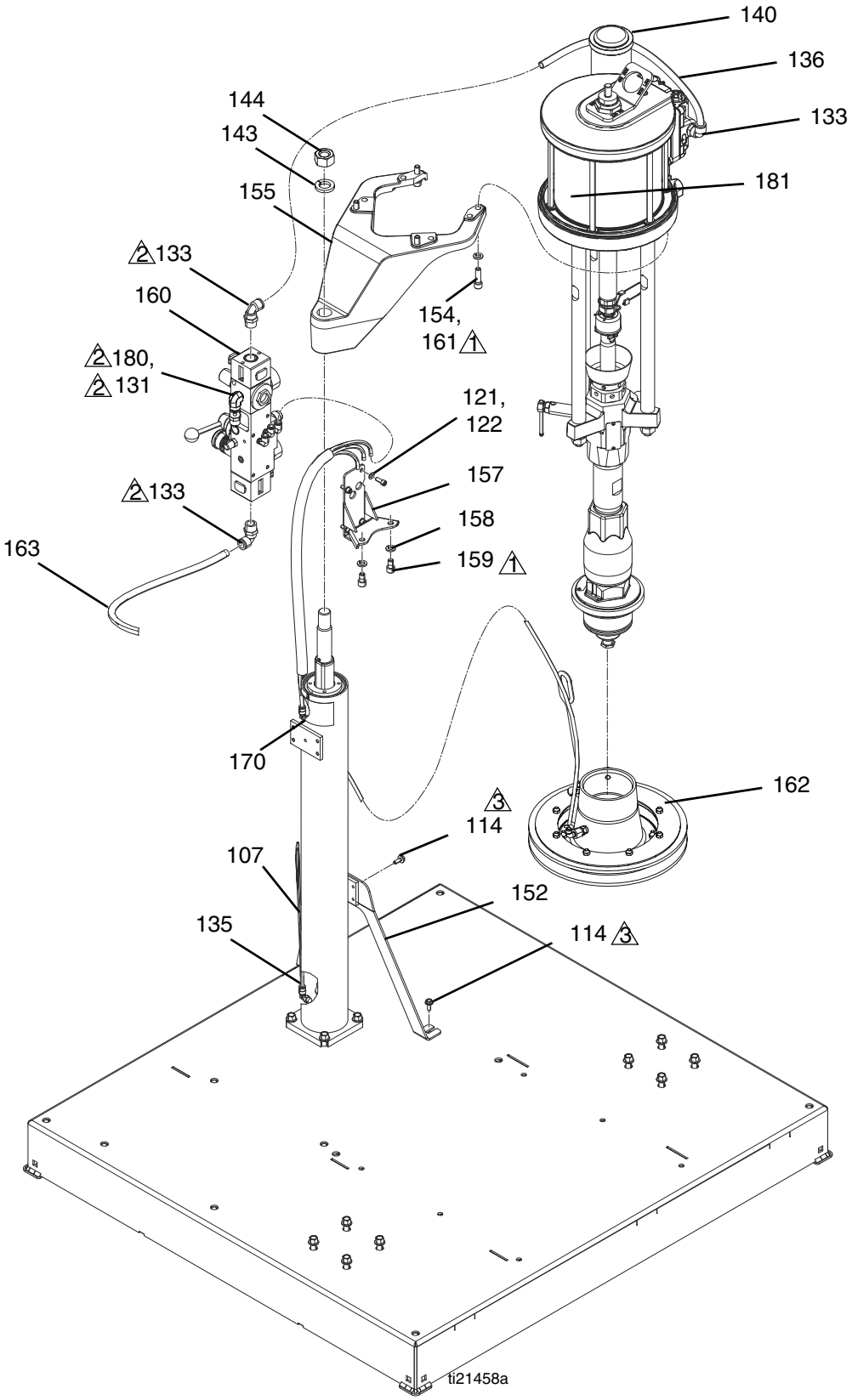

FIG. 4: S100 Base

Ref	Part	Description	Quantity
101	---	BASE, weldment, painted	1
102	16V208	GUIDE, drum	2
103	---	SCREW, machine, flathead, socket, M6-1x16mm	6
105	---	SCREW, cap, sockethead, M10-1.5x20mm	2
106	---	RAM, assembly, air cylinder	2
107	24R640	RAM, assembly, air cylinder, 5 gallon ram	1
108	---	SCREW, machine, hex, flange, M10-1.5x25mm	12
110	100139	PLUG, pipe	4
112	---	SUPPORT, cylinder, painted	1
113	---	MODULE, electrical	1
114	---	SCREW, machine, hex flange, M6-1x16mm	12
116	---	WASHER, lock, 5/8	4
117	---	BEAM, ram	1
118	---	NUT, hex, 5/8-11	4
119	---	CAP, end	2
120	---	CONTROL, air, ram	1
121	---	WASHER, lock, 1/4 in.	7
122	---	SCREW, cap, socket head, 1/4-20x5/8	7
126	597151	FITTING, elbow	4
130	105281	FITTING, union, swivel, 45	1
131	16P008	VALVE, safety, 75 psi	2
	116643	VALVE, safety, 90 psi (Ultra-Lite TriCore only)	2
132	100361	PLUG, pipe	1
133	15V204	FITTING, elbow, 1/2 npt x 1/2 tube	4
134	115287	FITTING, y tube	2
135	---	TUBE, nylon	39.8 ft
136	---	TUBE, polyurethane, black	6.5 ft
137	---	ROD, tie, platen, 3” ram, 55 gallon	2
138	255663	PLATE, wiper 55 gal, epdm	1
140	---	PUMP, 61:1, saniforce™, checkmate	2
141	---	KIT, mounting, lower	1
142	---	ROD, threaded	1
143	---	WASHER, spring lock. 7/8	3
144	---	NUT, full hex, 7/8-9	3
145	104969	BUSHING, reducing	1
146	160327	FITTING, union adapter, 90 deg	1
147	112040	FITTING, elbow, 90 deg.	1
148	160032	FITTING, nipple	1
149*	---	HOLDER, cable tie, rotating	1
150	C12034	HOSE, coupled 72 inch	1
151	---	SLEEVE, protective	6 ft
152	24R688	BRACKET, support	1
154	---	WASHER, lock spring, M8	4
155	---	BRACKET, motor mount, NXT® motors	1

Ref	Part	Description	Quantity
157	---	PAINT, bracket, air valve	1
158	---	WASHER, lock, 3/8	2
159	---	SCREW, cap, socket head, 3/8-16x5/8	2
160	---	CONTROL, air	1
161	---	SCREW, cap, sockethead, M8-1.25x30mm	4
162❖	257730	PLATE, 20 liter dual wiper nitrile	1
163	---	SLEEVE, protective	3.8 ft
169▲	15M511	LABEL, warning	1
170▲	15J074	LABEL, safety, crush and pinch	2
180	121150	FITTING, elbow, 1/4fnpt x 1/8mnpt	1
181	---	LABEL, a-b identification	0.500
182	---	FITTING, bushing	1

▲ *Replacement Danger and Warning labels, tags and cards are available at no cost.*

❖ *Refer to specific component manual for more details.*

--- *Not available for individual sale.*

* *Not shown.*

5 gallon Air Cylinder

1. Apply grease to o-rings and threads of 2 prior to assembly.
2. Add grease to cylinder bore before insertion of 2.
3. Install 2 in fully retracted position. Apply grease to diameter of shaft inside 1 prior to assembly.
5. Apply pipe sealant to tapered pipe threads.
6. Apply grease to seals and bearing surfaces.
7. Apply medium strength thread locker to threads and torque nut to 30 ft-lb (41 N•m)

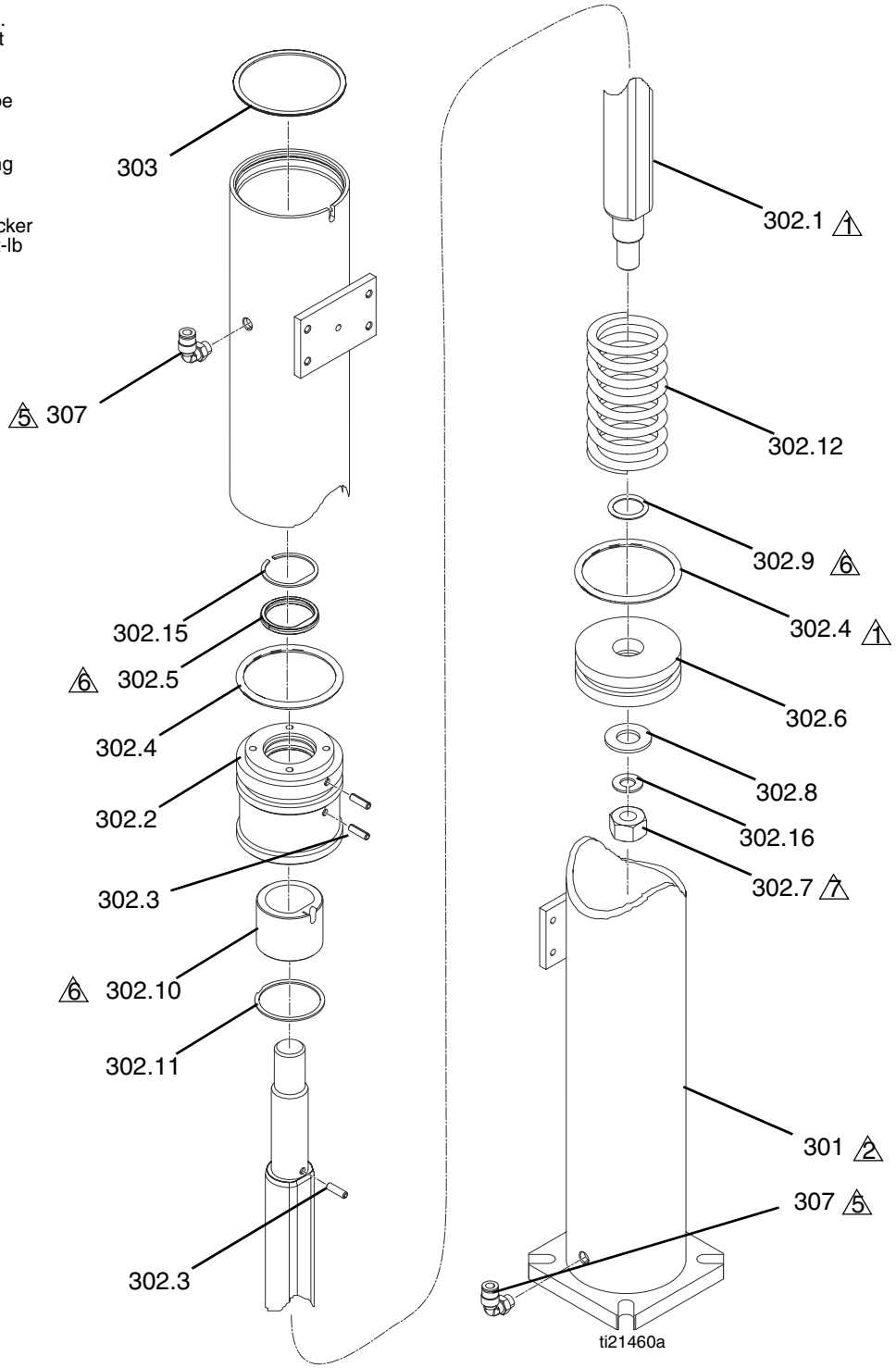

FIG. 5: 5 gallon Air Cylinder

Ref	Part	Description	Quantity
301	---	RAM, tube, 5 gallon ram, assembly	1
302	---	PISTON, rod, 5 gallon ram, assembly	1
302.1	16V170	SHAFT, piston, air cylinder, 5 gallon ram	1
302.2	---	BEARING, rod top	1
302.3	15U979	PIN, spring, straight	3
302.4◆	---	PACKING, o-ring, buna-n	2
302.5◆	---	SEAL, D-shaped ucup	1
302.6	183943	PISTON	1
302.7◆	---	NUT, hex, 5/8-11	1
302.8◆	---	WASHER, plain, 5/8	1
302.9◆	---	PACKING, o-ring	1
302.10◆	---	BEARING, ram end cap	1
302.11◆	---	RETAINER, retaining ring, 1.88 bore	1
302.12◆	---	SPRING, compression	1
302.15◆	15U006	SPACER, D-seal backup ring	1
302.16◆	---	WASHER, lock, 5/8	1
303	---	RING, retaining, 3.06 diameter	1
307	597151	FITTING, elbow	2

◆ *Parts available in kit 24T007.*

--- Not available for individual sale.

S100 Fluid Plate

4 Apply pipe sealant to all male threads as needed.

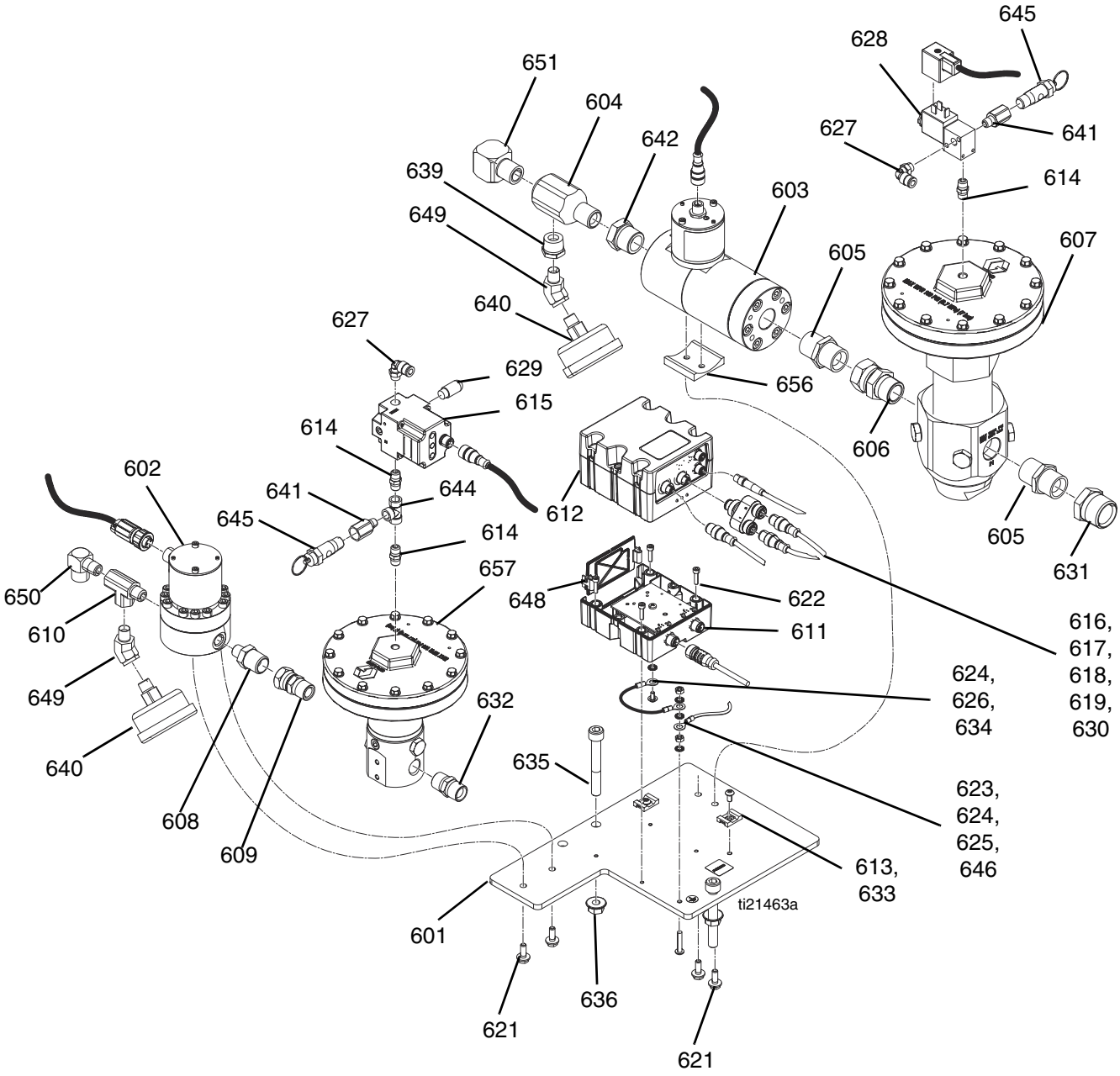

FIG. 6: S100 Fluid Plate

Ref	Part	Description	Quantity
601	---	PLATE, mounting, meter, regulator	1
602❖	289814	METER, gear, assembly	1
603❖	246652	METER, heli gear, hi resolution	1
604	15R873	FITTING, tee	1
605	160032	FITTING, nipple	2
606	157785	FITTING, swivel	1
607❖	246642	REGULATOR, mastic	1
608	162449	FITTING, nipple, reducing	1
609	156684	FITTING, union, adapter	1
610	116504	FITTING, tee, run	1
611◆	---	MODULE, GCA, cube, base	1
612◆	---	MODULE, GCA, cube, FCM	1
613	---	HOLDER, anchor, wire tie	2
614	103656	FITTING, pipe, hex	3
615	24R938	REGULATOR, electro/pneumatic	1
616	126996	HARNESS, m8xm12	1
617	126520	CONNECTOR, splitter	1
618	122030	CABLE, GCA	1
619	16U014	HARNESS, 5px3p	1
621	---	SCREW, machine, hex flange, M6-1x10mm	4
622	---	SCREW, cap, socket head, M4-0.7x16mm	4
623	---	SCREW, button head, M5-0.8x25mm	1
624	---	WASHER, lock, external, M5	4
625	---	NUT, hex, M5-0.8	2
626	16U132	HARNESS, FCM, ground	1
627	112698	ELBOW, male, swivel	2
628	127032	VALVE, power	1
629	512909	MUFFLER, polyethylene	1
630	123395	HARNESS, power valve, tank	1
631	158586	FITTING, bushing	1
632	158491	FITTING, nipple	1
633	---	SCREW, button head, M5-0.8x10mm, sst	2
634	---	SCREW, machine, pan wash head, M4-0.7x8mm	1
635	---	SCREW, sockethead, M10-1.5x75mm, sst	2
636	---	NUT, hex, flange, serrated, M10-1.5	2
639	100206	BUSHING, pipe	1
640	113654	GAUGE, pressure, fluid, sst	2
641	159840	ADAPTER	2
642	100896	FITTING, bushing, pipe	1
644	125497	FITTING, tee, 1/8 nptf, female	1
645	116643	VALVE, safety, relief, air	2
646▲	186620	LABEL, symbol, ground	1
648	277674	ENCLOSURE, cube door	1
649	121283	FITTING, elbow, 45 degree street	2
650	118137	FITTING, elbow 90 degree	1
651	158683	FITTING, elbow, 90 degree	1
656	---	HOLDER, meter, gear, acetal	1
657❖	244734	REGULATOR, assembly, XL	1

▲ *Replacement Danger and Warning labels, tags and cards are available at no cost.*

❖ *Refer to specific component manual for more details.*

◆ *Parts available in kit 24T002.*

--- *Not available for individual sale.*

24R663 - S100 Low Volume Hose

⚠1 Apply pipe sealant to all male threads as needed.

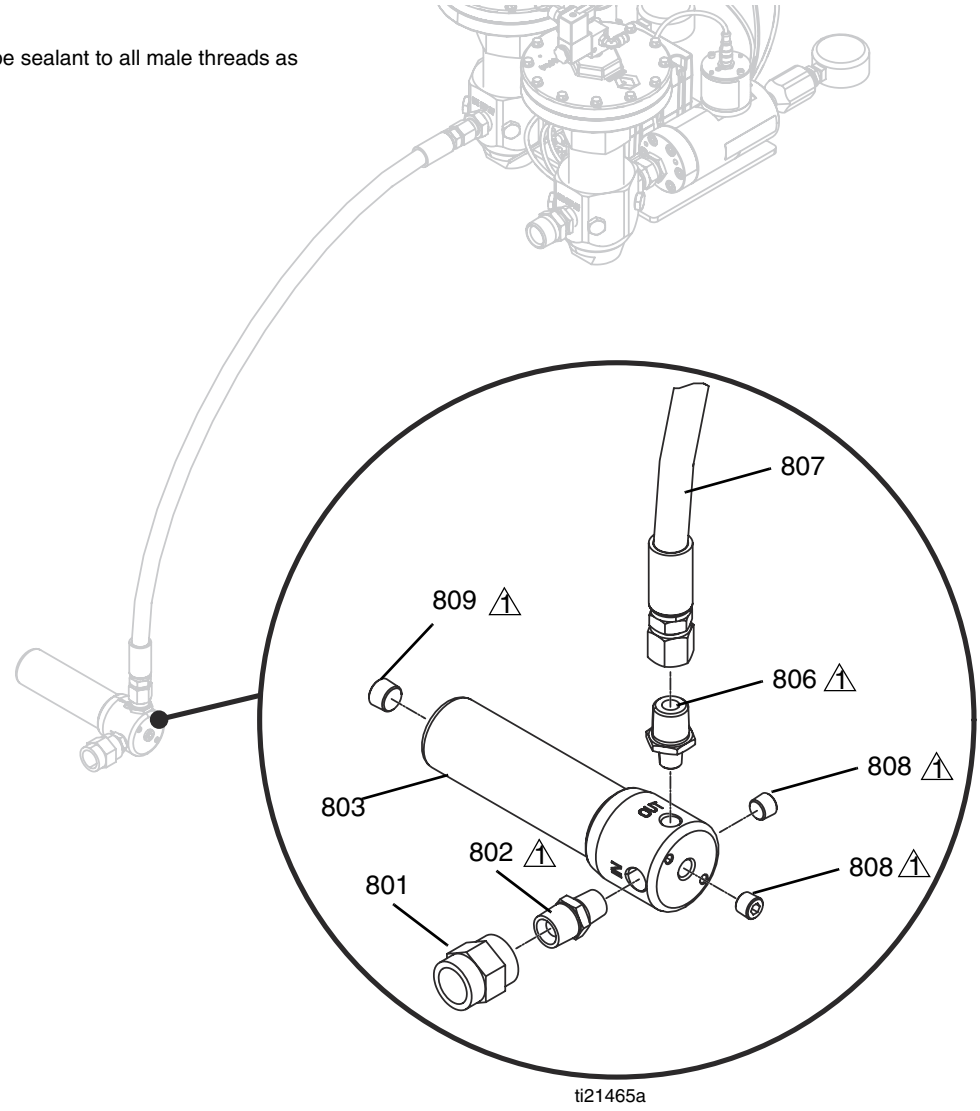

FIG. 7: S100 Low Volume Hose

Ref	Part	Description	Quantity
801	158556	COUPLING, hex pipe	1
802	159239	FITTING, nipple, pipe, reducing	1
803	218029	FILTER, fluid	1
806	162449	FITTING, nipple, reducing	1
807	16V222	HOSE, assembly, 1/2”x180”	1
808	100721	PLUG, pipe	2
809	101754	PLUG, pipe	1

U100 Series Parts

U100 Base machine

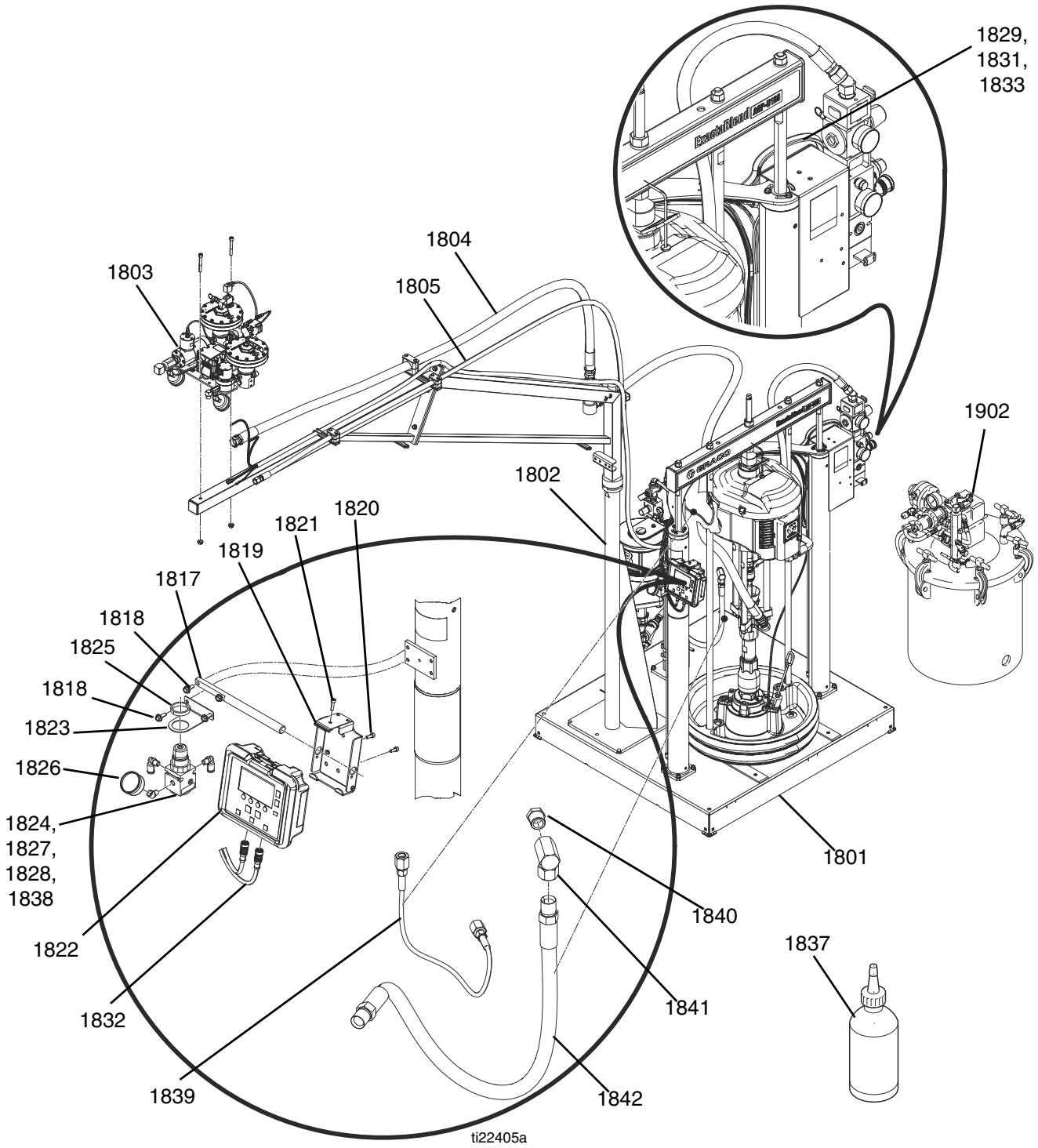

FIG. 8: U100 Base machine

Ref	Part	Description	Quantity	
			24R813, SYSTEM, 100cc/20cc, boom, pressure pot	24R814, SYSTEM, 100cc/20cc, pressure pot
1901	24R811	SYSTEM, 100cc/20cc, boom	1	
	24R812	SYSTEM, 100cc/20cc		1
1902❖	236152	TANK, high pressure, 5 gallon, agitated	1	1

Ref	Part	Description	Quantity	
			24R811, SYSTEM, 100cc/20cc, boom	24R812, SYSTEM, 100cc/20cc
1801	---	BASE, 55gal/5gal, U100	1	1
1802	---	MODULE, boom	1	
1803	---	MODULE, fluid plate, U100	1	1
1804	24R662	HOSE, assembly, high volume	1	1
1805	24S006	KIT, hose, low volume	1	1
1810*	16V853	SOFTWARE, GCA	1	1
1817	---	BAR, bracket, ram, DM	1	1
1818	---	SCREW, machine, hex flange	4	4
1819	---	BRACKET, mounting, assembly	1	1
1820	---	SCREW, M5x14mm	2	2
1821	---	SCREW, socket head, M5x18mm	1	1
1822	24T001	MODULE, GCA, DM	1	1
1823	---	BRACKET, mounting, regulator	1	1
1824	110341	REGULATOR, air	1	1
1825	110209	NUT, regulator	1	1
1826	108190	GAUGE, pressure, air	1	1
1827	597151	FITTING, elbow	2	2
1828	100139	PLUG, pipe	1	1
1829	116654	FITTING, tube, swivel, male elbow	1	1
1830*	115287	FITTING, Y tube	1	1
1831	---	TUBE, nylon	28.2 ft	28.2 ft
1832	120952	CABLE, CAN, female / female	1	1
1833	---	SLEEVE, protective, poly, black	12 ft	12 ft
1837	206994	FLUID, TSL, 8 oz	2	2
1838	113630	ELBOW, 45 degree, 1/8 NPT	1	1
1839	248208	HOSE, coupled, 4 feet, pressure pot air	1	1
1840	100081	BUSHING, pipe	1	1
1841	157416	FITTING, swivel, union, 90 degree	1	1
1842	947086	HOSE, coupled, 6 feet, pressure pot material	1	1
1843*❄	24R824	KIT, tower, light, 30mm, red/green	1	1

--- Not available for individual sale.

** Not shown.*

❖ Refer to specific component manual for more details.

❄ Refer to accessory kits manual for more details.

U100 Base

1 Apply pipe sealant to all non-swivel NPT threads.

3 Apply medium strength thread locker and torque to 30-35 ft-lb (41-47 N•m).

5 Apply medium strength thread locker and torque to 4.7-5.3 ft-lb (6-7 N•m).

14 Apply medium strength thread locker and torque to 16-21 ft-lb (22-28 N•m).

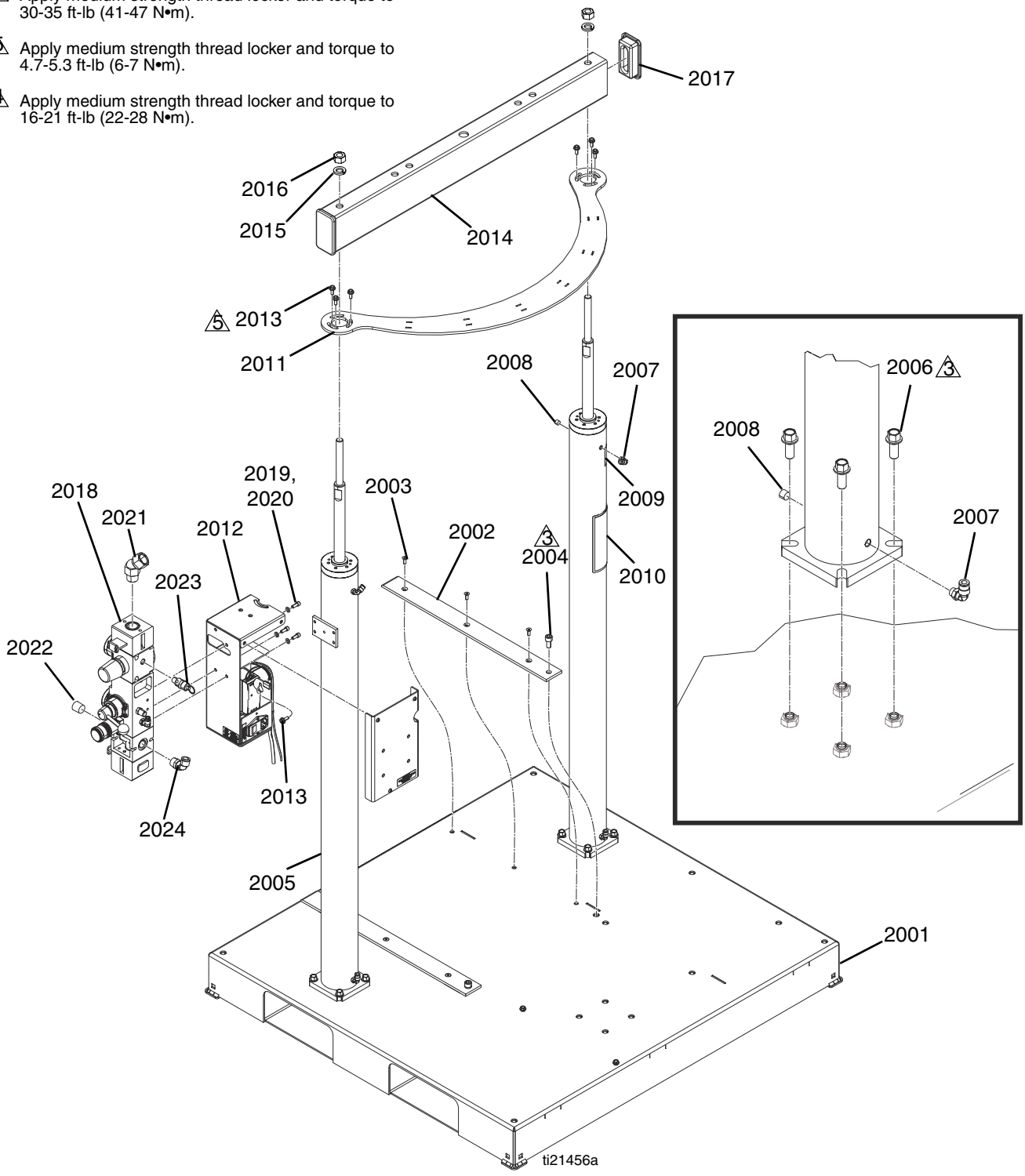

FIG. 9: U100 Base

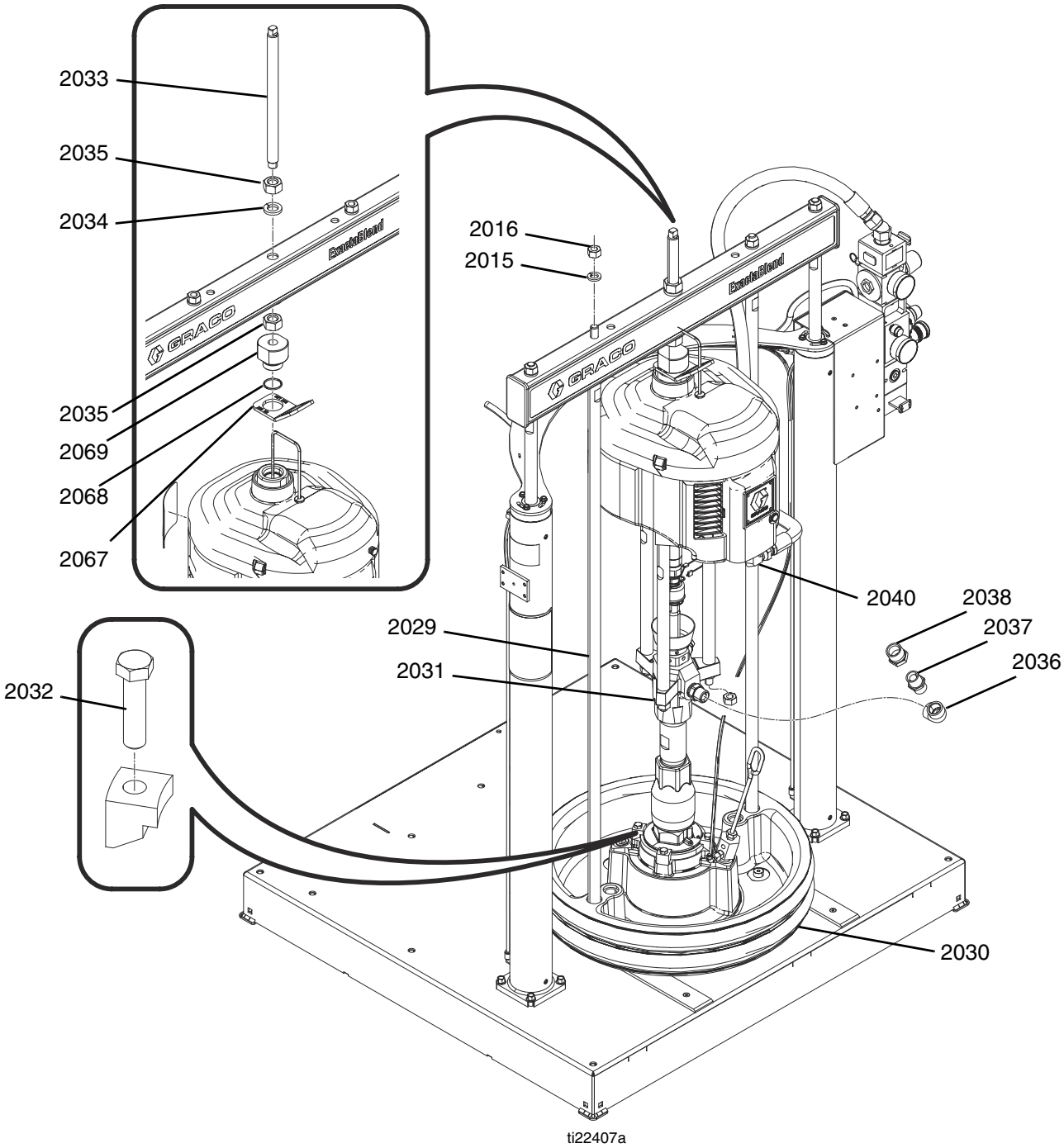

FIG. 10: U100 Base

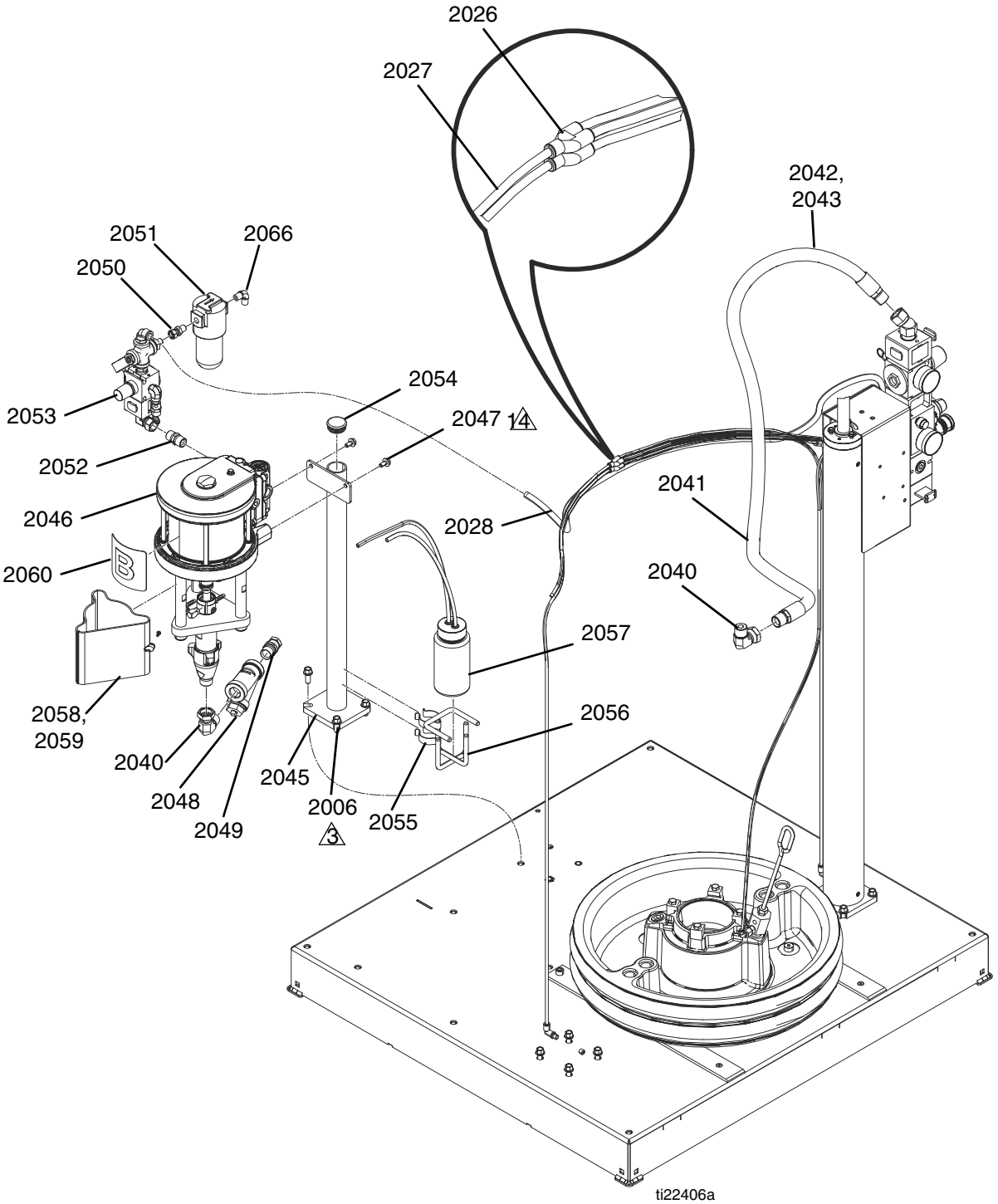

FIG. 11: U100 Base

Ref	Part	Description	Quantity
2001	---	BASE, weldment, painted	1
2002	16V208	GUIDE, drum	2
2003	---	SCREW, machine, flathead, socket, M6-1x16mm	6
2004	---	SCREW, cap, sockethead, M10-1.5x20mm	2
2005	---	RAM, assembly, air cylinder	2
2006	---	SCREW, machine, hex, flange, M10-1.5x25mm	12
2007	597151	FITTING, elbow	4
2008	100139	PLUG, pipe	4
2009▲	15J074	LABEL, safety, crush & pinch	1
2010▲	15M511	LABEL, warning, eng/span/fre	1
2011	---	SUPPORT, cylinder, painted	1
2012	---	MODULE, electrical	1
2013	---	SCREW, machine, hex flange, M6-1x16mm	8
2014	---	BEAM, ram	1
2015	---	WASHER, lock, 5/8	4
2016	---	NUT, hex, 5/8	4
2017	---	CAP, end	2
2018	---	CONTROL, air, ram	1
2019	---	WASHER, lock, 1/4 in.	3
2020	---	SCREW, cap, socket head, 1/4-20x5/8	3
2021	105281	FITTING, union, swivel, 45	1
2022	100361	PLUG, pipe	1
2023	16P008	VALVE, safety, 75 psi	2
	116643	VALVE, safety, 90 psi (Ultra-Lite TriCore only)	2
2024	15V204	FITTING, elbow, 1/2 npt x 1/2 tube	1
2026	115287	FITTING, Y tube	2
2027	---	TUBE, nylon	23.5 ft
2028	---	TUBE, polyurethane, black	4 ft
2029	---	ROD, tie, platen, 3 inch ram, 55 gallon	2
2030	255663	PLATE, wiper 55 gal, epdm	1
2031❖	P63LCS	PUMP, 63:1 3400/100	1
2032	255392	KIT, mounting, lower	1
2033	---	ROD, threaded	1
2034	---	WASHER, spring lock, 7/8	2
2035	---	NUT, full hex, 7/8-9	2
2036	112040	FITTING, elbow, 90 deg.	1
2037	160032	FITTING, nipple	1
2038	158586	FITTING, bushing	1
2040	160327	FITTING, union adapter, 90 deg	2
2041	---	HOLDER, cable tie, rotating	1
2042	C12034	HOSE, coupled 72 inch	1
2043	---	SLEEVE, protective	6 ft
2045	---	SUPPORT, stand, pump, tank, painted	1
2046	---	PUMP, 65:1, 2ball	1

2047	---	SCREW, cap, hex head, M8-1.25x16mm	2
2048	101078	STRAINER, Y	1
2049	121282	FITTING, swivel, straight, 1/2 female x 3/4 male	1
2050	156823	FITTING, union, swivel	1
2051	123378	DRYER, air, 1/4 NPT, with desiccant	1
2052	158491	FITTING, nipple	1
2053	---	CONTROL, air	1
2054	---	PLUG, tube, round	1
2055	186494	CLIP, spring	2
2056	15C568	HOLDER, bottle	1
2057	246995	BOTTLE, assembly, complete	1
2058	24A959	SHIELD, 6.0/7.5 inch	1
2059	---	SCREW, machine, M4-0.7 x 10mm	1
2060	---	LABEL, a-b identification	1
2066	111763	FITTING, elbow, 1/4 npt	1
2067	15J993	RING, lift, plate	1
2068	C20987	PACKING, o-ring	1
2069	15J991	ADAPTER, lift ring	1

▲ *Replacement Danger and Warning labels, tags and cards are available at no cost.*

❖ *Refer to specific component manual for more details.*

--- *Not available for individual sale.*

65:1 Pump

1 Torque 50-60 ft-lb (68-81 N•m).

4 Apply medium strength thread locker and torque to 124-155 ft-lb (196-210 N•m).

6 Apply pipe sealant.

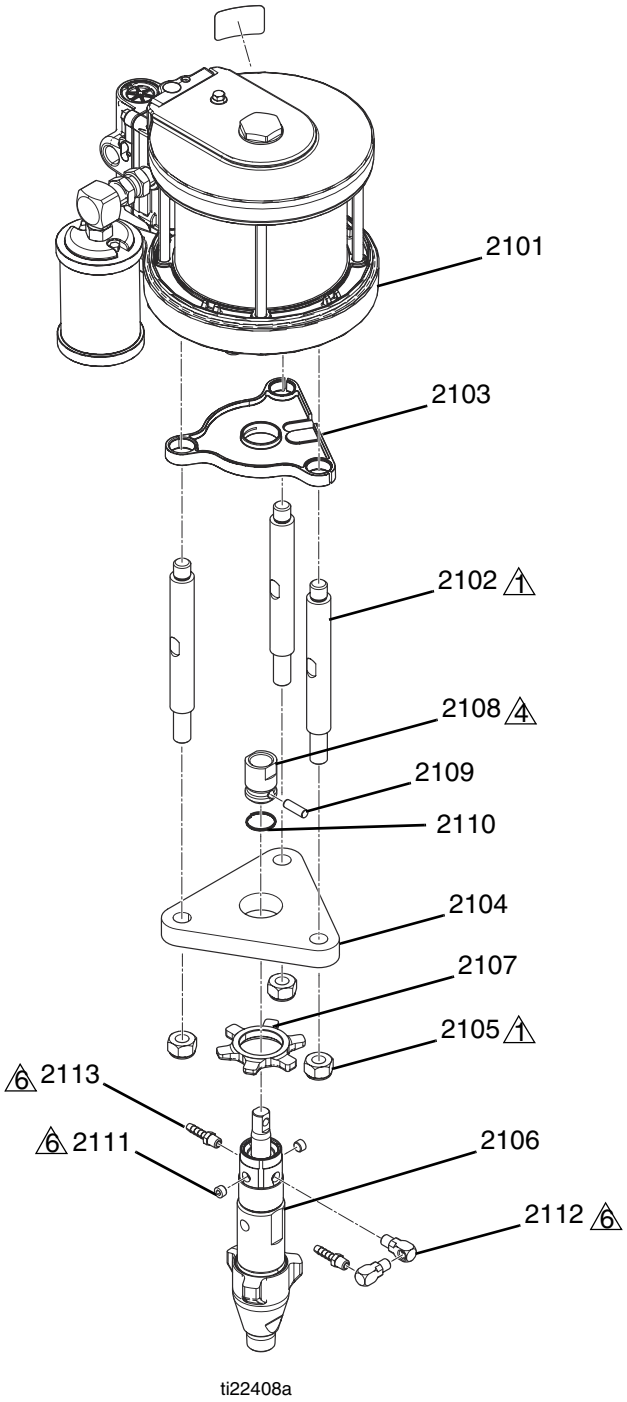

FIG. 12: 65:1 Pump

Ref	Part	Description	Quantity
2101❖	24T884	MOTOR, air, 6.0in, 1.5in stroke	1
2102	15M662	ROD, tie	3
2103	15V028	SHIELD, drip	1
2104	---	PLATE, adapter, pump, NXT	1
2105	---	NUT, lock, M16 x 2mm	3
2106❖	246830	PUMP, displacement, with lube	1
2107	192723	NUT, retaining	1
2108	16W629	COUPLER, pump, NXT	1
2109	196762	PIN, straight	1
2110	196750	SPRING, retaining	1
2111	C19252	PLUG, pipe	2
2112	191892	FITTING, elbow, street, 90 deg	2
2113	116746	FITTING, barbed, plated	2

❖ *Refer to specific component manual for more details.*

--- Not available for individual sale.

U100 Fluid Plate

1 Apply pipe sealant to all male threads as needed.

2 Apply medium strength thread locker and torque to 4.7-5.3 ft-lb (6-7 N•m)

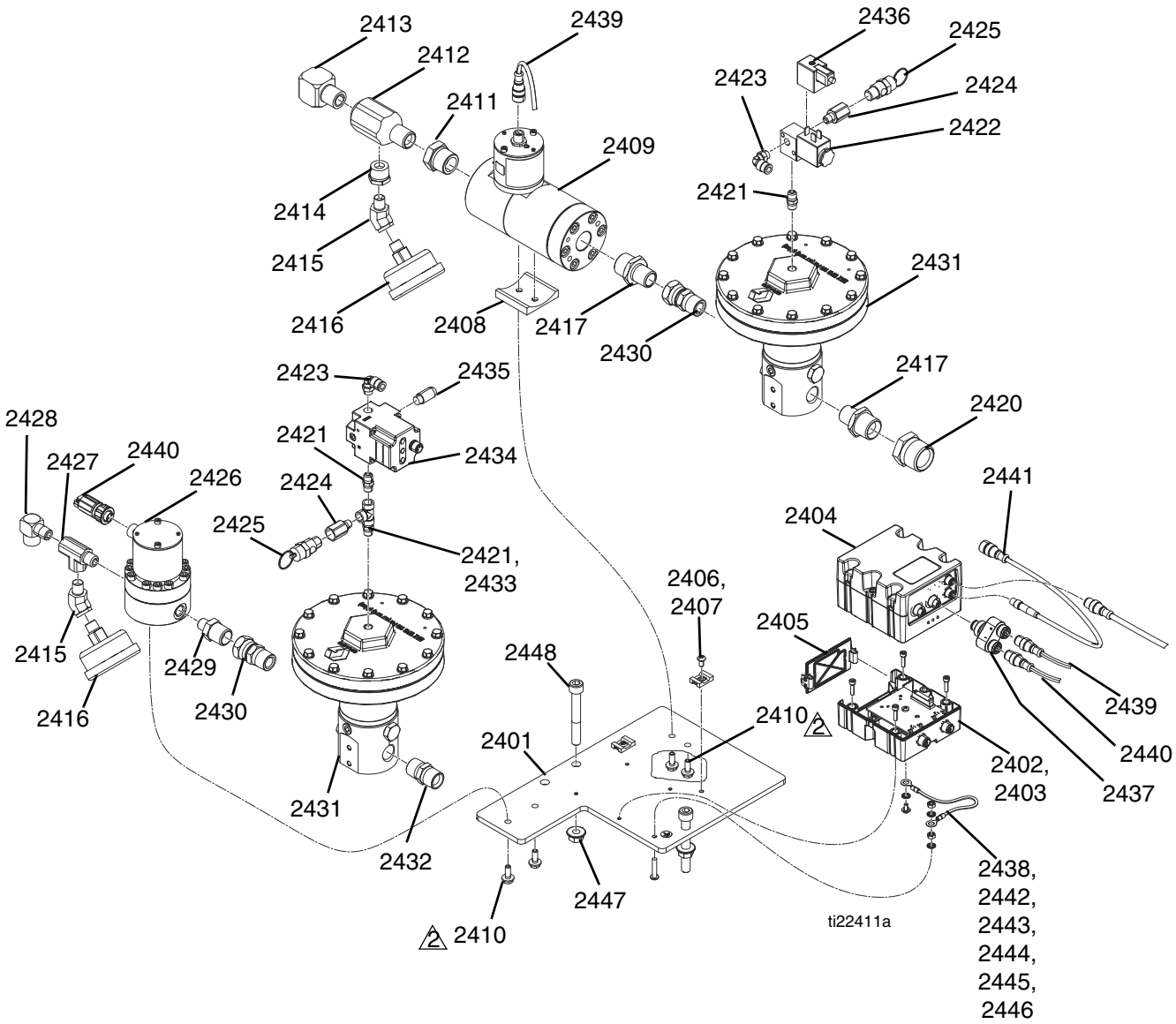

FIG. 13: U100 Fluid Plate

Ref	Part	Description	Quantity
2401	---	PLATE, mounting, meter, regulator	1
2402◆	---	MODULE, GCA, cube, base	1
2403	---	SCREW, cap, socket head, M4-0.7x16mm	4
2404◆	---	MODULE, GCA, cube, FCM	1
2405	277674	ENCLOSURE, cube door	1
2406	---	HOLDER, anchor, wire tie, nylon	2
2407	---	SCREW, button head, M5-0.8x10mm	2
2408	---	HOLDER, meter, gear, acetal	1
2409❖	246652	METER, heli gear, hi resolution	1
2410	---	SCREW, machine, hex flange, M6-1x16mm	4
2411	100896	FITTING, bushing, pipe	1
2412	15R873	FITTING, tee, 1/2	1
2413	158683	FITTING, elbow, 90 degree	1
2414	100206	BUSHING, pipe	1
2415	121283	FITTING, elbow, 45 degreeree street	2
2416	113654	GAUGE, pressure, fluid, sst	2
2417	157191	FITTING, adapter (1/2NPT x 3/4NPT)	2
2420	158586	FITTING, bushing	1
2421	103656	FITTING, pipe, hex	3
2422	127032	VALVE, power, 3/2	1
2423	112698	ELBOW, male, swivel	2
2424	159840	ADAPTER	2
2425	116643	VALVE, safety, relief, air	2
2426❖	289814	METER, gear, assembly, g3000hr	1
2427	116504	FITTING, tee, run	1
2428	118137	FITTING, elbow 90 degree	1
2429	162449	FITTING, nipple, reducing	1
2430	156684	FITTING, union, adapter	2
2431❖	244734	REGULATOR, assembly, XL	2
2432	158491	FITTING, nipple	1
2433	125497	FITTING, tee, 1/8 NPT	1
2434	24R938	MODULE, regulator, E/P	1
2435	512909	MUFFLER, polyethylene	1
2436	123395	HARNESS, power valve, tank	1
2437	126520	CONNECTOR, splitter	1
2438	16U132	HARNESS, FCM, ground	1
2439	122030	CABLE, GCA	1
2440	16U014	HARNESS, 5px3p	1
2441	126996	HARNESS, m8xm12	1
2442	---	WASHER, lock, external, M5	4
2443	---	SCREW, machine, pan head, M4-0.1x8mm	1
2444	---	SCREW, button head, M5x25mm	1
2445	---	NUT, hex, M5	2
2446▲	186620	LABEL, symbol, ground	1
2447	---	SCREW, socket head, M10-1.5x75mm	2
2448	---	NUT, hex, flange, serrated, M10	2

▲ *Replacement Danger and Warning labels, tags and cards are available at no cost.*

❖ *Refer to specific component manual for more details.*

◆ *Parts available in kit 24T002.*

--- *Not available for individual sale.*

24S006 - U100 Low Volume Hose

1 Apply pipe sealant to all male threads as needed.

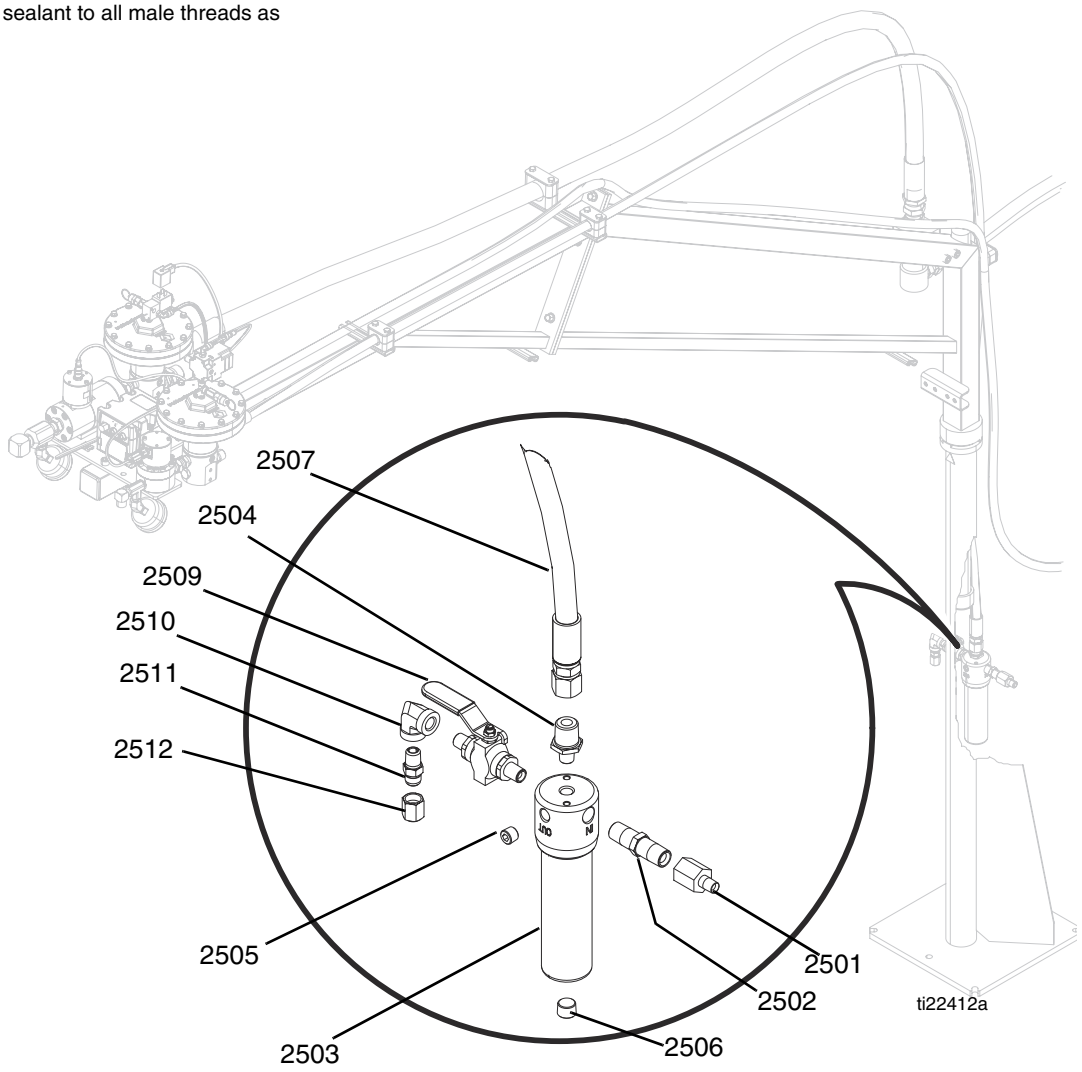

FIG. 14: 24S006 - U100 Low Volume Hose

Ref	Part	Description	Quantity
2501	150287	COUPLING	1
2502	156850	FITTING, nipple	1
2503	24V925	FILTER, fluid, 5K, 100 mesh, CS	1
2504	162449	FITTING, nipple, reducing	1
2505	100721	PLUG, pipe	1
2506	101754	PLUG, pipe	1
2507	16V222	HOSE, assy, 1/2”x180”	1
2509	237303	VALVE, ball	1
2510	867178	FITTING, elbow, 90 degree	1
2511	116704	ADAPTER, 9/16-18 JIC x 1/4 NPT	1
2512	127326	FITTING, cap, 06JIC	1

P100 Series Parts

P100 Base machine

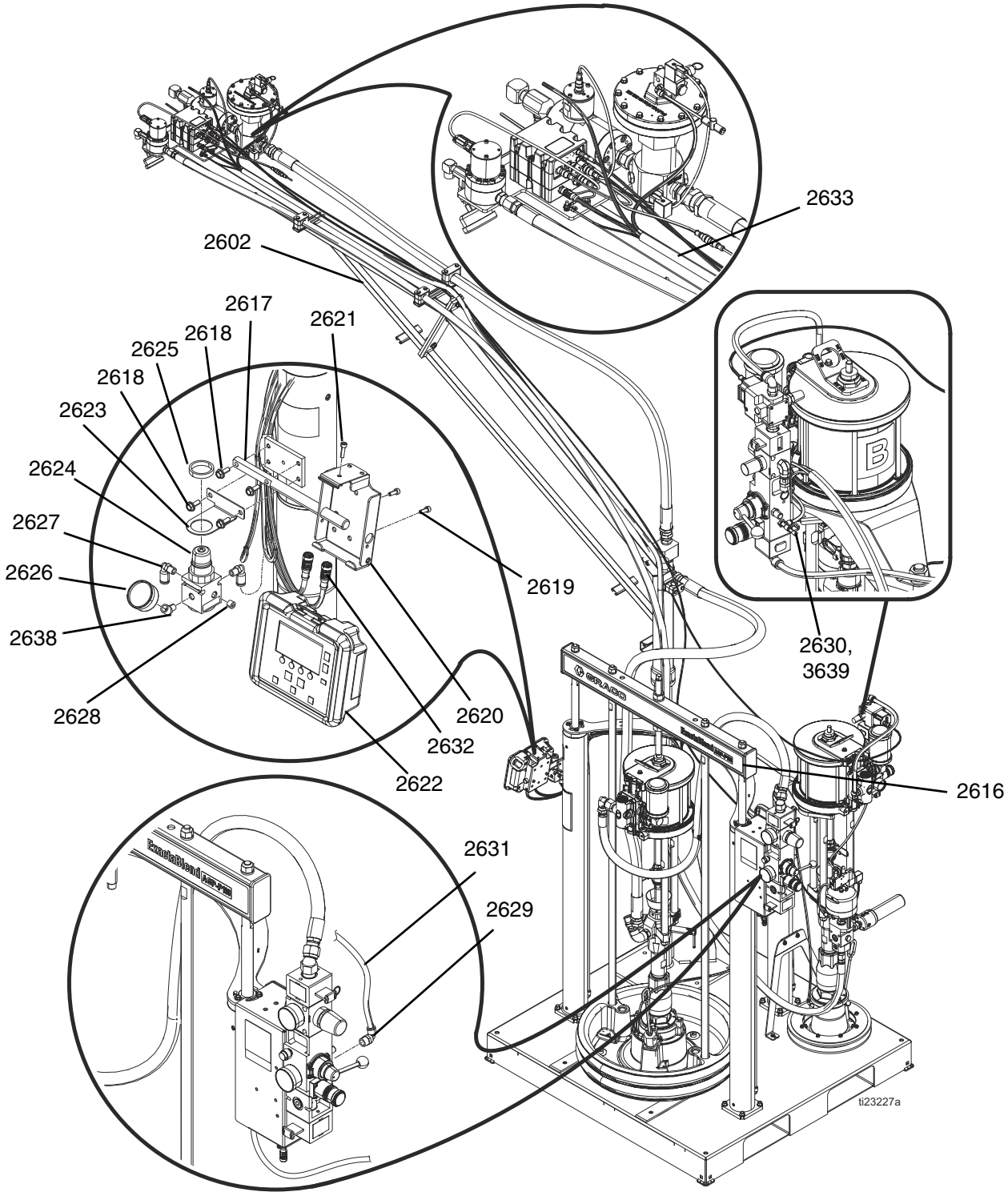

FIG. 15: P100 Base machine

Ref	Part	Description	Quantity	
			24R815, SYSTEM, AGP, 100cc/100cc, boom	24R816, SYSTEM, AGP, 100cc/100cc
2601	---	BASE, 55 gallon/5 gallon, V/P	1	1
2602	---	MODULE, boom	1	
2603	---	MODULE, plate, fluid, FCM	1	1
2604	24R662	HOSE, assembly, high volume	1	1
2605	---	MODULE, valve, XM	1	1
2610*	16V853	SOFTWARE, GCA, levrier	1	1
2616	---	LABEL, model, AGP-P100	1	1
2617	---	BAR, bracket, ram, DM	1	1
2618	---	SCREW, mach, hex flange, M6x16mm	4	4
2619	---	BRACKET, mounting, assembly	1	1
2620	---	SCREW, socket head, M5x14mm	2	2
2621	---	SCREW, socket head, M5x18mm	1	1
2622	24T001	MODULE, GCA, DM	1	1
2623	---	BRACKET, mounting, regulator	1	1
2624	110341	REGULATOR, air	1	1
2625	110209	NUT, regulator	1	1
2626	108190	GAUGE, pressure, air	1	1
2627	597151	FITTING, elbow	2	2
2628	100139	PLUG, pipe	1	1
2629	116654	FITTING, tube, swivel, male elbow	1	1
2630	C20365	FITTING, tee, air	1	1
2631	---	TUBE, nylon, round	28.2	28.2
2632	120952	CABLE, CAN, female / female 4.0m	1	1
2633	---	SLEEVE, protective, poly, 1/2”, black	12	12
2634	---	SEALANT, pipe, SST	1	1
2637	206994	FLUID, TSL, 8 oz bottle	1	1
2638	113630	ELBOW, street, 45 degree, 1/8 NPT	1	1
2639	---	FITTING, plug, tube, push, 1/4	1	1
2640*❄	24R824	KIT, tower, light, 30mm, red/green	1	1

--- Not available for individual sale.

** Not shown.*

❄ Refer to accessory kits manual for more details.

P100 Base

1 Apply medium strength thread locker and torque to 30-35 ft-lb (41-47 N•m).

2 Apply pipe sealant to all non-swivel NPT threads.

3 Apply medium strength thread locker and torque to 4.7-5.3 ft-lb (6-7 N•m).

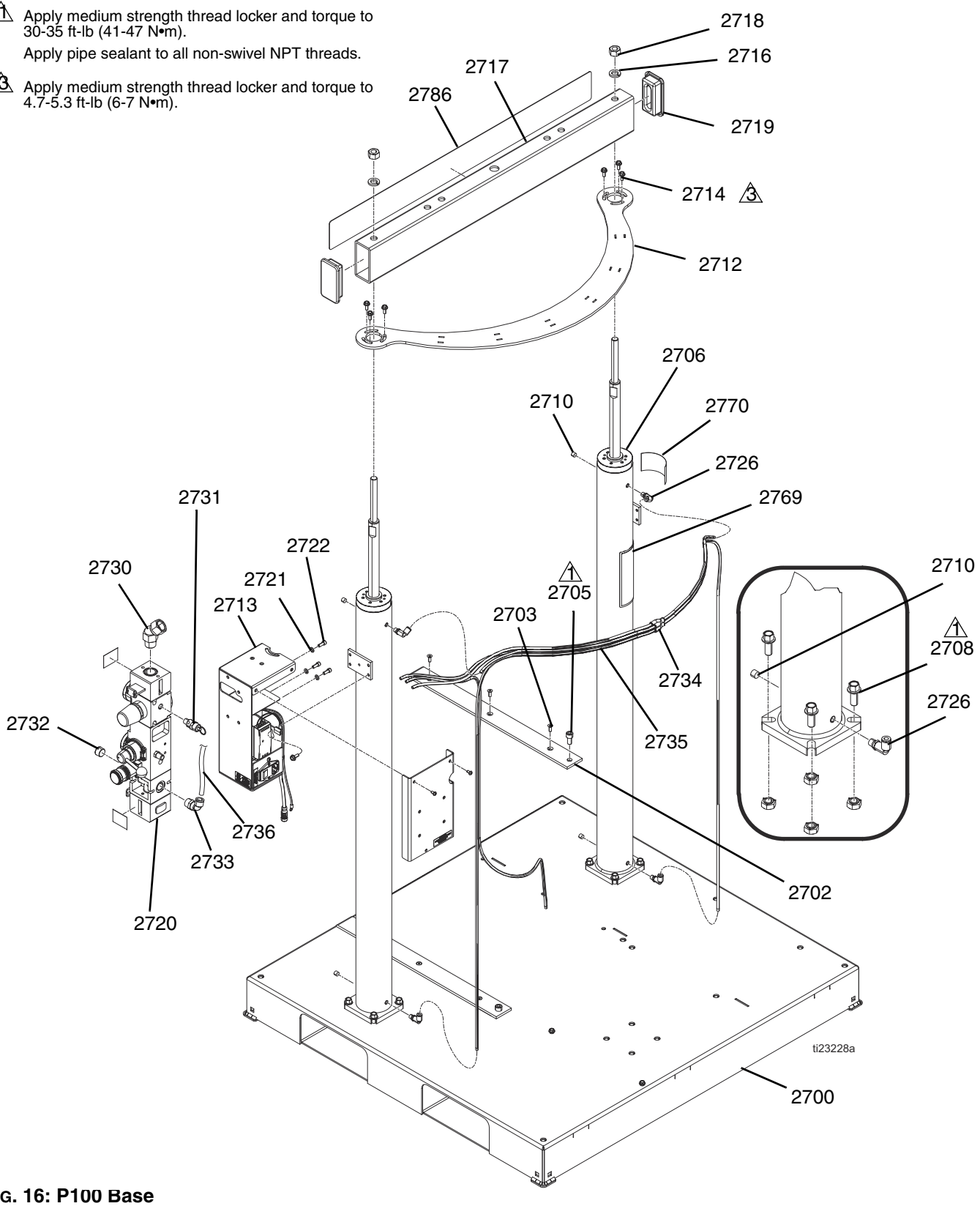

FIG. 16: P100 Base

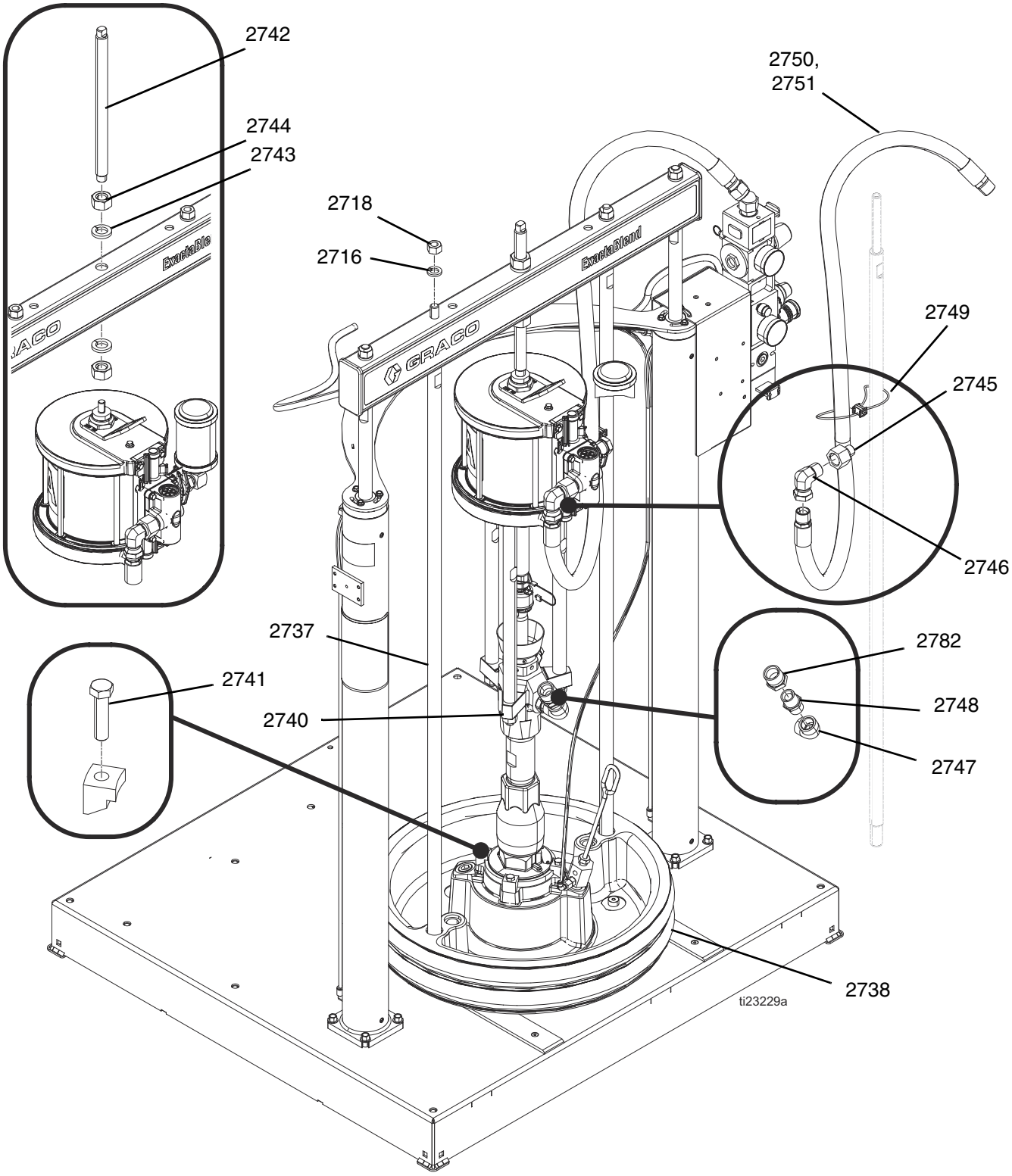

FIG. 17: P100 Base

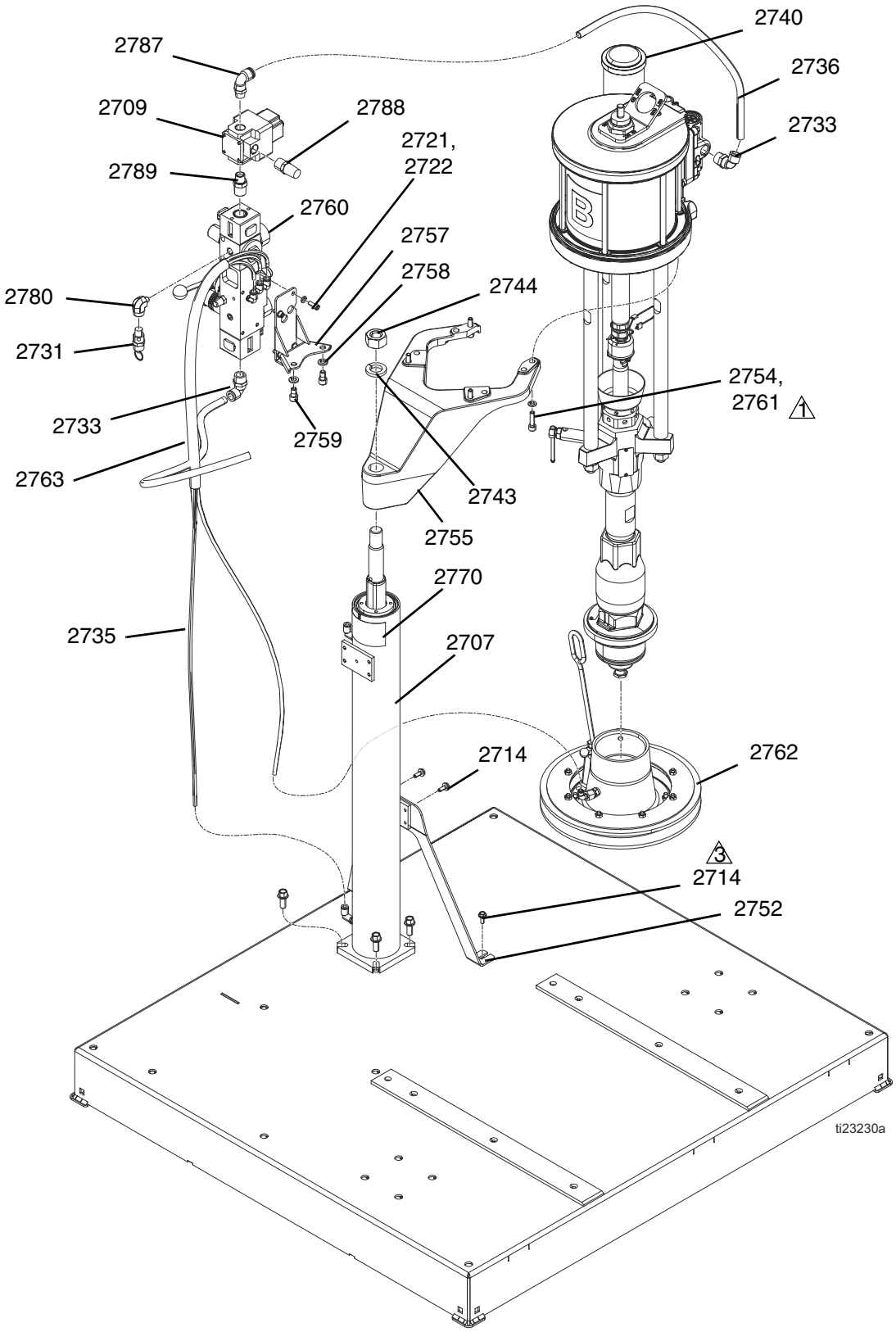

FIG. 18: P100 Base

Ref	Part	Description	Quantity
2701	---	BASE, weldment, painted	1
2702	16V208	GUIDE, drum, UMHW	2
2703	---	SCREW, machine, flathead, socket, M6x16	6
2705	---	SCREW, cap, sockethead, M10x20	2
2706	---	RAM, assembly, air cylinder	2
2707	---	RAM, assemnly, air cylinder, 5 gallon ram	1
2708	---	SCREW, machine, hex, flange, M10x1.5x2mm	12
2709	24U821	MODULE, regulator, E/P, programmed	1
2710	100139	PLUG, pipe	4
2712	---	SUPPORT, cylinder, painted	1
2713	---	MODULE, electrical	1
2714	---	SCREW, machine, hex flange, M6x16mm	12
2716	---	WASHER, lock, 5/8	4
2717	---	BEAM, ram	1
2718	---	NUT, hex, 5/8-11	4
2719	---	CAP, end	2
2720	---	CONTROL, air, ram	1
2721	---	WASHER, lock, 1/4	7
2722	---	SCREW, cap, socket head, 1/4-20x5/8	7
2726	597151	FITTING, elbow	4
2730	105281	FITTING, union, swivel, 45	1
2731	16P008	VALVE, safety, 75 psi	2
	116643	VALVE, safety, 90 psi (Ultra-Lite TriCore only)	2
2732	100361	PLUG, pipe	1
2733	15V204	FITTING, elbow, 1/2 NPT x 1/2 tube	4
2734	115287	FITTING, Y tube	2
2735	---	TUBE, nylon, round	39.7
2736	---	TUBE, polyurethane, round, black	6.5
2737	---	ROD, tie, platen, 3" ram, 55 gallon	2
2738	255663	PLATE, wiper 55 gal, epdm	1
2740❖	---	PUMP, 61:1, saniforce, checkmate	2
2741	---	KIT, mounting, lower	1
2742	---	ROD, threaded	1
2743	---	WASHER, spring lock, 7/8	3
2744	---	NUT, full hex, 7/8	3
2745	104969	BUSHING, reducing	1
2746	160327	FITTING, union adapter, 90 degree	1
2747	112040	FITTING, elbow, 90 degree	1
2748	160032	FITTING, nipple	1
2749	---	HOLDER, cable tie, rotating	1
2750	C12034	HOSE, coupled 72"	1
2751	---	SLEEVE, protective	6
2752	---	BRACKET, support, painted	1
2754	---	WASHER, lock spring, M8	4

Ref	Part	Description	Quantity
2755	---	BRACKET, motor mount, NXT motors	1
2757	---	PAINT, bracket, air valve	1
2758	---	WASHER, lock, 3/8	2
2759	---	SCREW, cap, socket head, 3/8-16x5/8	2
2760	---	CONTROL, air	1
2761	---	SCREW, cap, socket head, M8x30mm	4
2762	257730	PLATE, 20 liter, dual wiper, nitrile	1
2763	---	SLEEVE, protective	3.75
2769▲	15M511	LABEL, warning, eng/span/fre	1
2770▲	15J074	LABEL, safety, crush & pinch	2
2780	121150	FITTING, elbow, 1/4 FNPT x 1/8 MNPT	1
2782	---	FITTING, bushing	1
2787	121212	FITTING, elbow, swivel, 1/2T 3/8 MNPT	1
2788	---	MUFFLER, 1/2 NPT	1
2789	---	FITTING, nipple, pipe, reducing	1

▲ *Replacement Danger and Warning labels, tags and cards are available at no cost.*

❖ *Refer to specific component manual for more details.*

--- *Not available for individual sale.*

P100 Fluid Plate

1 Apply pipe sealant to all male threads as needed.

8 Apply medium strength thread locker to threads.

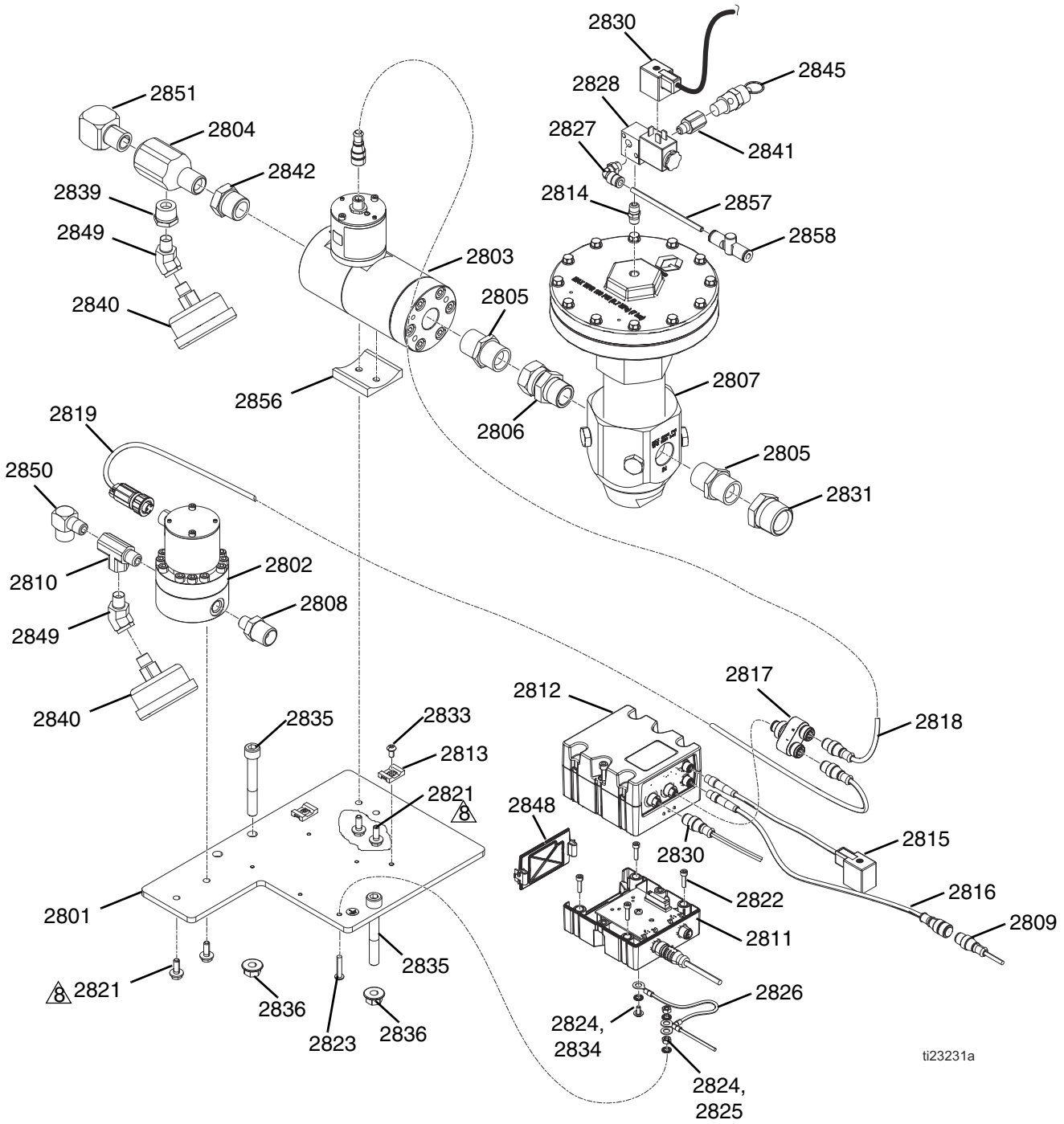

FIG. 19: P100 Fluid Plate

Ref	Part	Description	Quantity
2801	---	PLATE, mounting, meter, reg, paint	1
2802❖	289814	METER, gear, assembly, G3000HR	1
2803❖	246652	METER, heli gear, hi resolution	1
2804	15R873	FITTING, tee, 1/2	1
2805	160032	FITTING, nipple	2
2806	157785	FITTING, swivel	1
2807❖	246642	REGULATOR, mastic	1
2808	162449	FITTING, nipple, reducing	1
2809	---	CABLE, 5pin, male/female, 4.0 m	1
2810	116504	FITTING, tee, run	1
2811◆	---	MODULE, GCA, cube, base	1
2812◆	---	MODULE, GCA, cube, FCM	1
2813	---	HOLDER, anchor, wire tie, nylon	2
2814	103656	FITTING, pipe, hex	1
2815	127399	HARNESS, m8xdin, 4px3p, 4.5m	1
2816	126996	HARNESS, m8(4p)xm12(5p), 0.5m	1
2817	126520	CONNECTOR, splitter, m12, 5p	1
2818	122030	CABLE, GCA, m12-5p	1
2819	16U014	HARNESS, m12xcir, 5px3p, .5m	1
2821	---	SCREW, machine, hex flange, M6x16mm	4
2822	---	SCREW, cap, socket head, M6x16mm	4
2823	---	SCREW, M5x25	1
2824	---	WASHER, lock, external, M5	4
2825	---	NUT, hex, M5	2
2826	16U132	HARNESS, fcm, grd	1
2827	112698	ELBOW, male, swivel	1
2828	127032	VALVE, power, 3/2	1
2830	123395	HARNESS, power valve, tank	1
2831	158586	FITTING, bushing	1
2832	196142	FITTING, adapter 1/2 NPT x 3/4 NPT	1
2833	---	SCREW, M5x10mm	2
2834	---	SCREW, machine, pan, M4x8mm	1
2835	---	SCREW, M10x75mm	2
2836	---	NUT, hex, flange, serrated, M10	2
2839	100206	BUSHING, pipe	1
2840	113654	GAUGE, pressure, fluid	2
2841	159840	ADAPTER	1
2842	100896	FITTING, bushing, pipe	1
2845	16P008	VALVE, safety, 75 psi	1
2846▲	186620	LABEL, symbol, ground	1
2848	277674	ENCLOSURE, cube door	1
2849	121283	FITTING, elbow, 45 degree street	1
2850	118137	FITTING, elbow 90 degrees	1
2851	158683	FITTING, elbow, 90 degree	1
2856	---	HOLDER, meter, gear, acetal	1
2857	---	TUBE, nylon, round	0.33
2858	---	VALVE, 1/4" tube	1

▲ *Replacement Danger and Warning labels, tags and cards are available at no cost.*

❖ *Refer to specific component manual for more details.*

--- *Not available for individual sale.*

◆ *Parts available in kit 24T002.*

24U695 - P100 XM Valve

1 Apply pipe sealant to all male threads as needed.

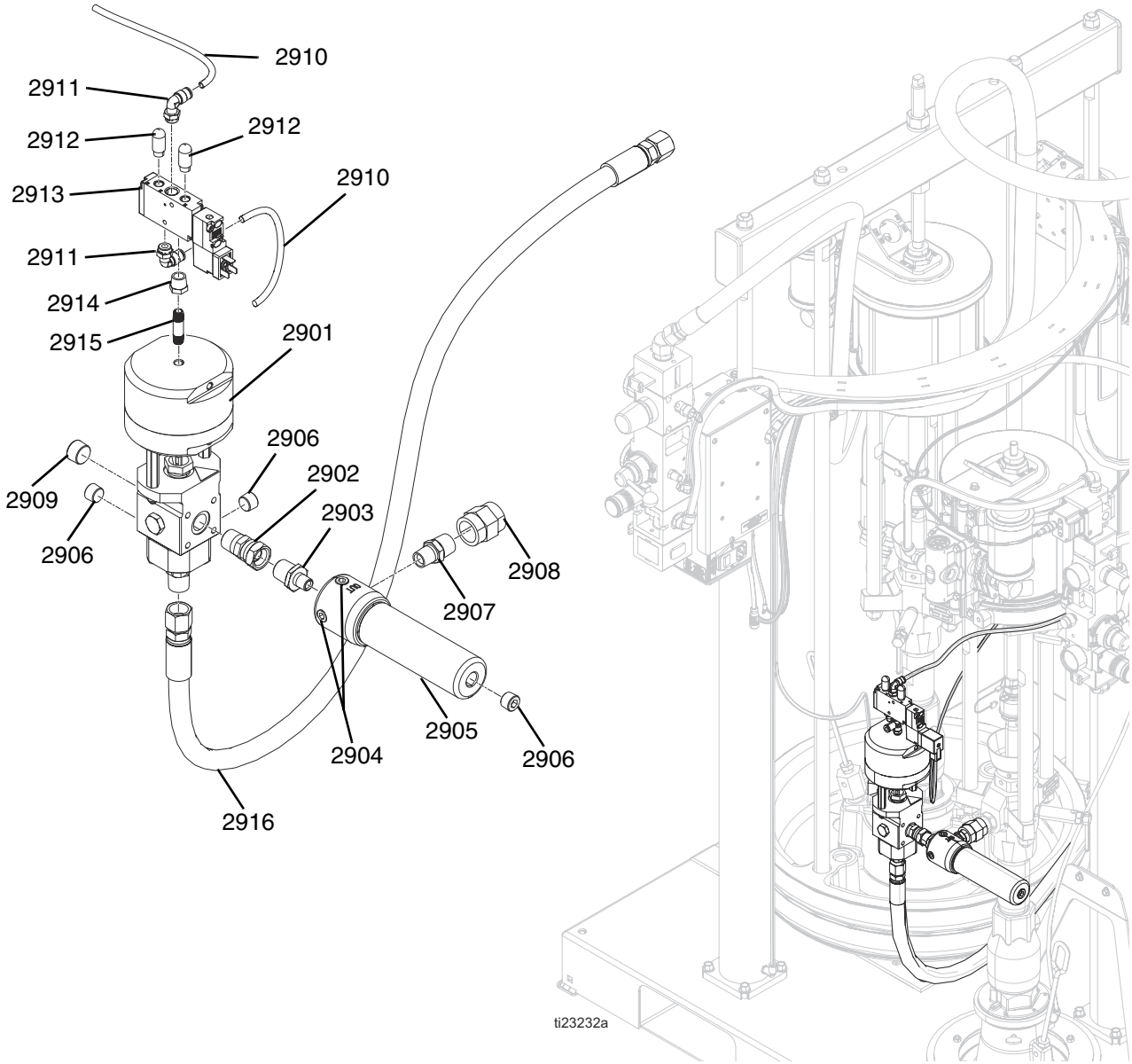

FIG. 20: 24U695 - P100 Low Volume Hose

Ref	Part	Description	Quantity
2901❖	255478	VALVE, assembly, ratio control	1
2902	156684	FITTING, union, adapter	1
2903	162449	FITTING, nipple, reducing	1
2904	100721	PLUG, pipe	2
2905	24T914	FILTER, assembly, 30 mesh	1
2906	101754	PLUG, pipe	3
2907	159239	FITTING, nipple, pipe	1
2908	158556	COUPLING, hex pipe	1
2909	100361	PLUG, pipe	1
2910	---	TUBE, nylon, round	4.5
2911	---	FITTING, elbow, male, 1/4 NPT	2
2912	512909	MUFFLER, polyethylene	2
2913	127356	VALVE, power, 5/2, 24VDC	1
2914	---	BUSHING, 1/4NPTx1/8NPT	1
2915	---	FITTING, nipple, 1/8NPTx1.50	1
2916	16V222	HOSE, assembly, 1/2x180, 5k	1

❖ *Refer to specific component manual for more details.*

--- *Not available for individual sale.*

Universal Parts

55 gallon Air Cylinder

1. Apply grease to o-rings and threads of 2 prior to assembly.
2. Install 2 in fully retracted position. Apply grease to diameter of shaft inside 1 prior to assembly.
3. Add lubricant to cylinder bore before insertion of 2.
5. Torque to 30 ft-lb (41 N•m).
6. Apply grease to o-rings.

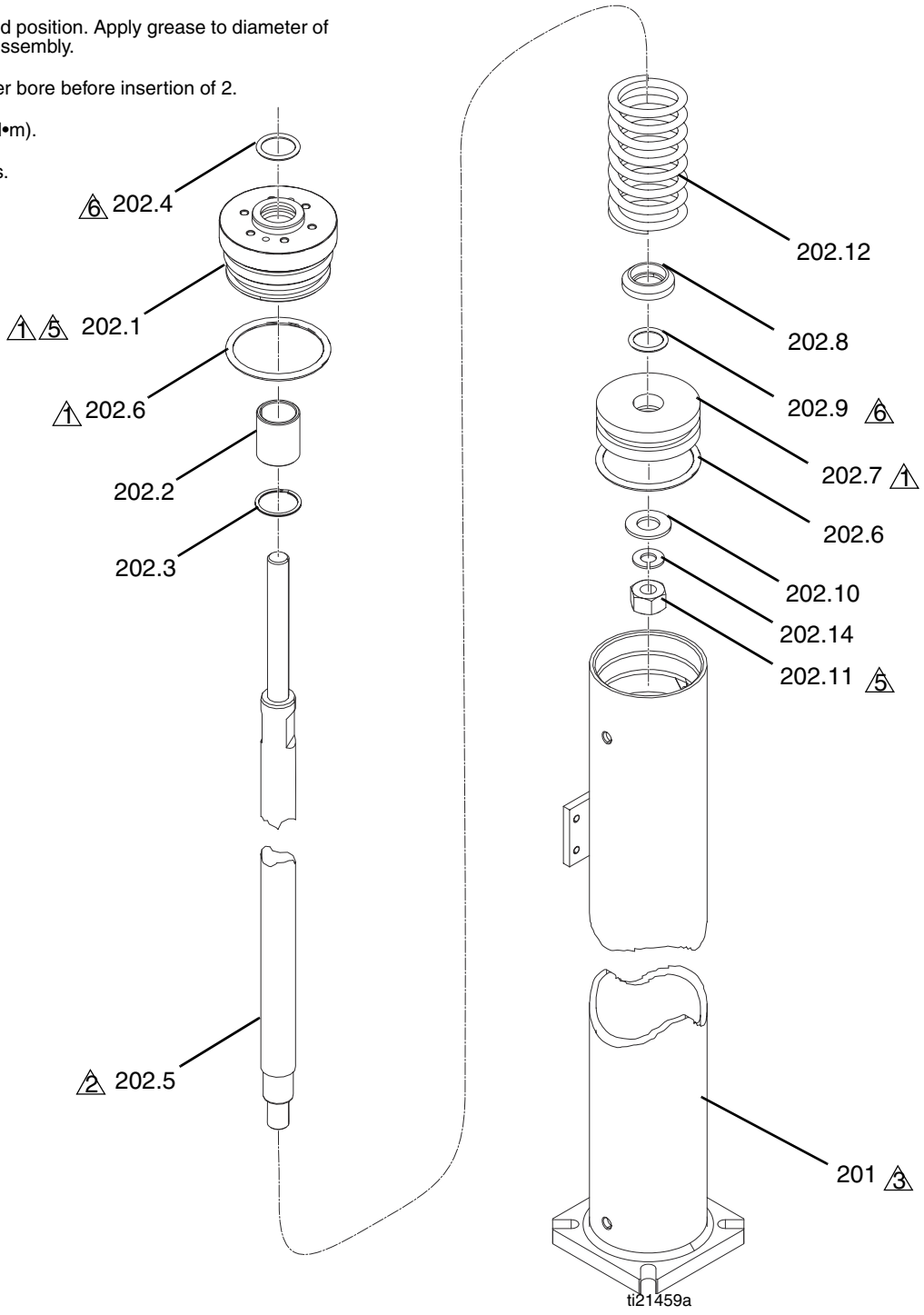

FIG. 21: 55 gallon Air Cylinder

Ref	Part	Description	Quantity
201	---	RAM, tube, assembly	1
202	---	PISTON, rod, assembly	1
202.1	---	CAP, bearing, air cylinder	1
202.2◆	---	BEARING, air cylinder	1
202.3◆	---	RING, retaining, spiral	1
202.4◆	---	PACKING, o-ring, 214	1
202.5	16V078	SHAFT, piston, air cylinder	1
202.6◆	---	PACKING, o-ring, buna-n	2
202.7	183943	PISTON	1
202.8◆	---	GUIDE, spring	1
202.9◆	---	PACKING, o-ring	1
202.10◆	---	WASHER, plain, 5/8	1
202.11◆	---	NUT, hex, 5/8-11	1
202.12◆	---	SPRING, compression	1
202.14◆	---	WASHER, lock, 5/8	1

◆ *Parts available in kit 24T006.*

--- Not available for individual sale.

Checkmate Pump (S100 and P100 Models Only)

1. Torque 50-60 ft-lb (68-81 N•m).
2. Apply medium strength thread locker and torque to 124-155 ft-lb (196-210 N•m).
3. Apply pipe sealant.
4. Apply anti-seize compound.

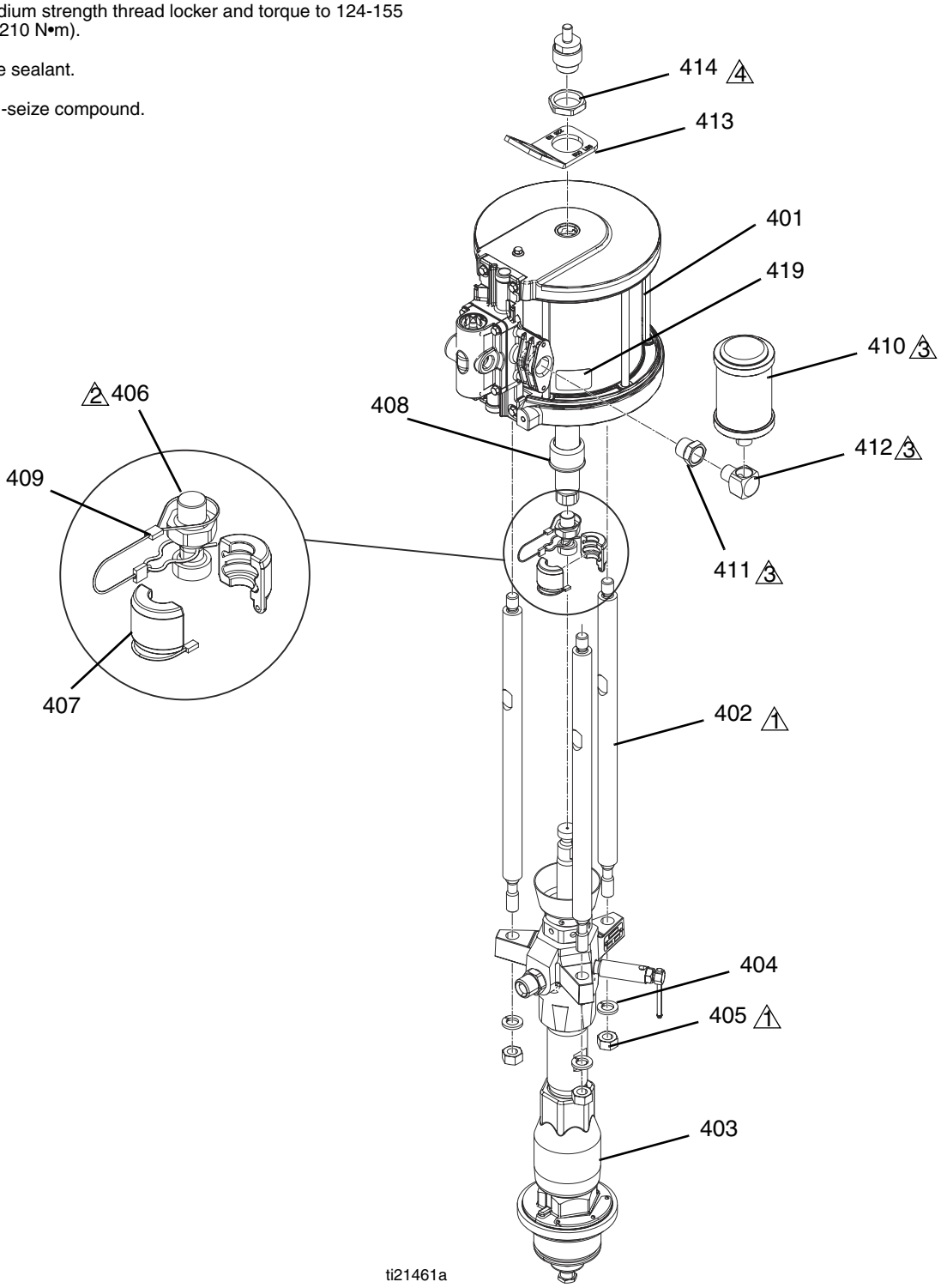

FIG. 22: Checkmate Pump

Ref	Part	Description	Quantity
401❖	24R015	MOTOR, assembly, air, 7.5 inch, blue	1
402	257360	ROD, tie, NXT to lower	3
403❖	L100CS	LOWER, 100 Severe Duty®	1
404	---	WASHER, lock, spring, #16	3
405	---	NUT, machine, hex, M16-2	3
406	15H392	ROD, adapter xtreme®	1
407	244819	COUPLING, assembly	1
408	197340	COVER, coupler	1
409	244820	CLIP, hairpin (w/ lanyard)	1
410	117237	MUFFLER	1
411	100896	FITTING, bushing, pipe	1
412	115764	FITTING, elbow, 90	1
413	15J993	RING, lift, plate	1
414	---	NUT, jam, hex, 1.5-12	1
419	---	LABEL, identification	1
421*	112887	WRENCH, spanner	1

❖ *Refer to specific component manual for more details.*

* *Not shown.*

Electrical Enclosure

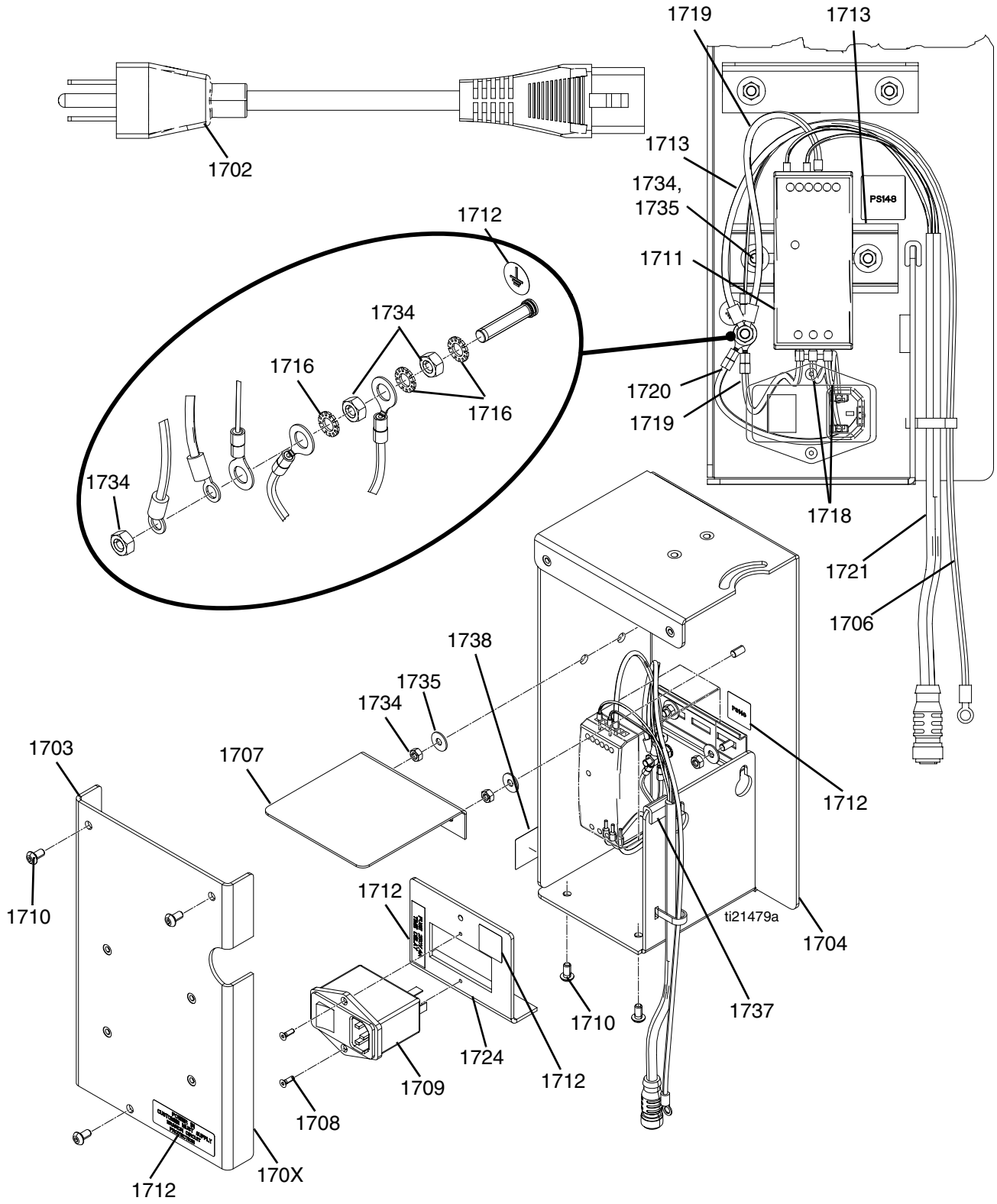

FIG. 23: Electrical Enclosure

Ref	Part	Description	Quantity
1702	121598	CORD, power, v-lock	1
1703	---	COVER, enclosure	1
1704	---	BRACKET, mounting	1
1705▲	186620	LABEL, symbol, ground	1
1706	---	HARNESS,16ga, green/yellow	1
1707	---	BULKHEAD, enclosure	1
1708	---	SCREW, flathead, M3-0.5x10mm	2
1709	120910	SOCKET, electrical, with EMI filter	1
1710	---	SCREW, button head, M5-0.8x10mm, ss	5
1711	126453	POWER SUPPLY, 24v	1
1712	---	LABEL, identification	1
1713	---	RAIL, mount	0.3 ft
1716	---	WASHER, lock, external, M5	3
1718	---	HARNESS, 16ga, black,	2
1719	---	HARNESS, 16ga, green/yellow	2
1720	---	HARNESS, 16ga, green/yellow,	1
1721	16U012	HARNESS, CAN, M12	1
1724	---	BRACKET, switch	1
1734	---	NUT, hex, M5-0.8	7
1735	---	WASHER, plain, #10	4
1736	114835	FUSE, 4.0 amp, 250v, time lag	2
1737	---	GUARD, trim, edge	1
1738	---	LABEL	1

▲ *Replacement Danger and Warning labels, tags and cards are available at no cost.*

--- Not available for individual sale.

Boom Assembly

2 Apply medium strength thread locker and torque to 30 ft-lb (41 N•m).

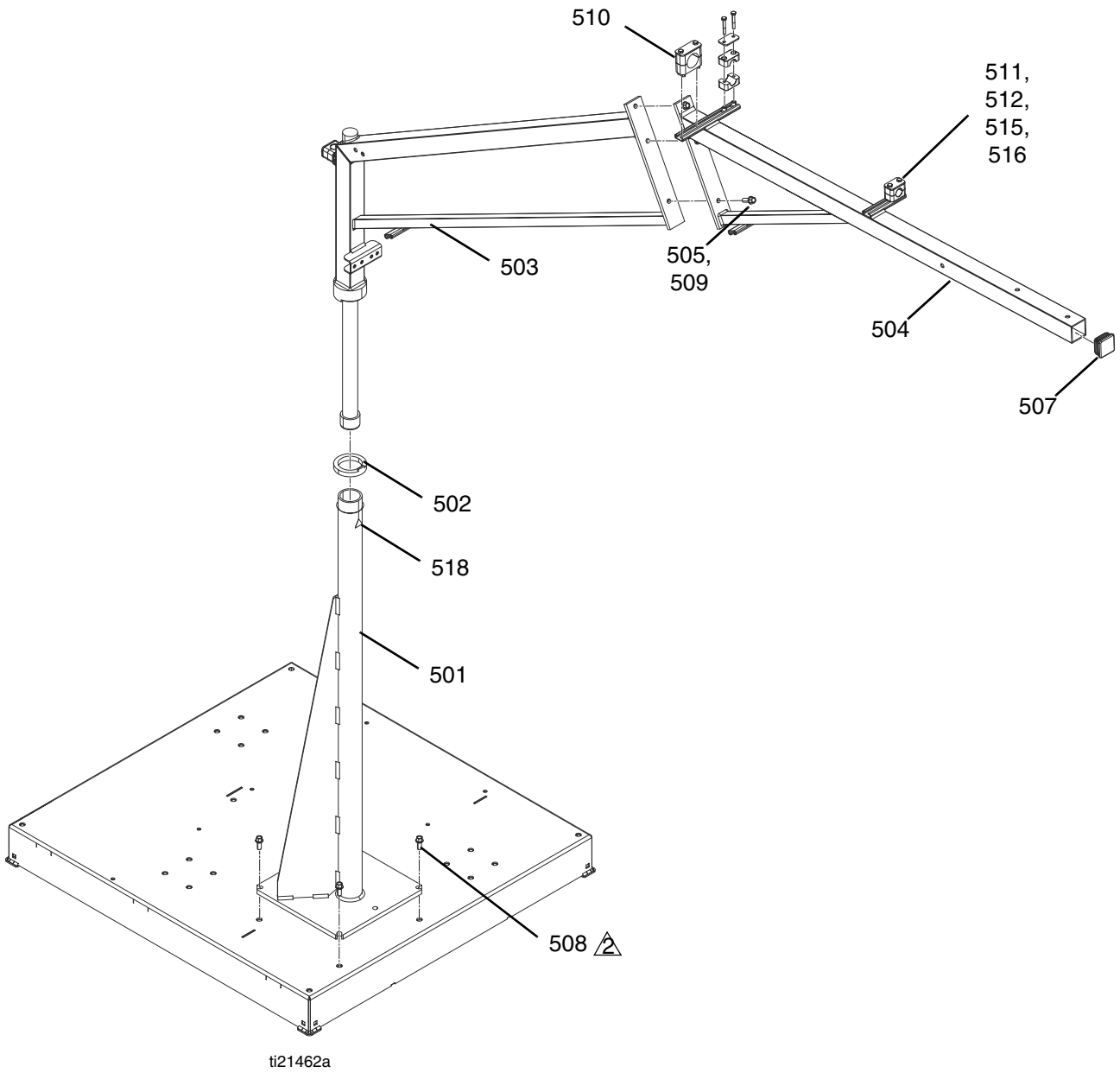

FIG. 24: Boom Assembly

Ref	Part	Description	Quantity
501	---	SUPPORT, mast	1
502	---	BEARING, support, boom mast	1
503	---	SUPPORT, boom, weldment, bearing	1
504	---	ARM, boom, upper, painted	1
505	---	SCREW, cap, hex, serrated, M10-1.5x30mm	3
507	---	PLUG, tube	1
508	---	SCREW, machine, hex, flange, M10-1.5x25mm	4
509	---	NUT, hex, flange, serrated, M10-1.5	3
510	U5A008	CLAMP, hose, 1”id	1
511	123100	CLAMP, hose, boom, 7/8”	3
512	---	COVER, plate	3
515	---	SCREW, cap, hex, 1/4-20x1.75	6
516	---	NUT, rail	6
518▲	15H108	LABEL, pinch point	1

▲ *Replacement Danger and Warning labels, tags and cards are available at no cost.*

--- *Not available for individual sale.*

24R662 - High Volume Hose

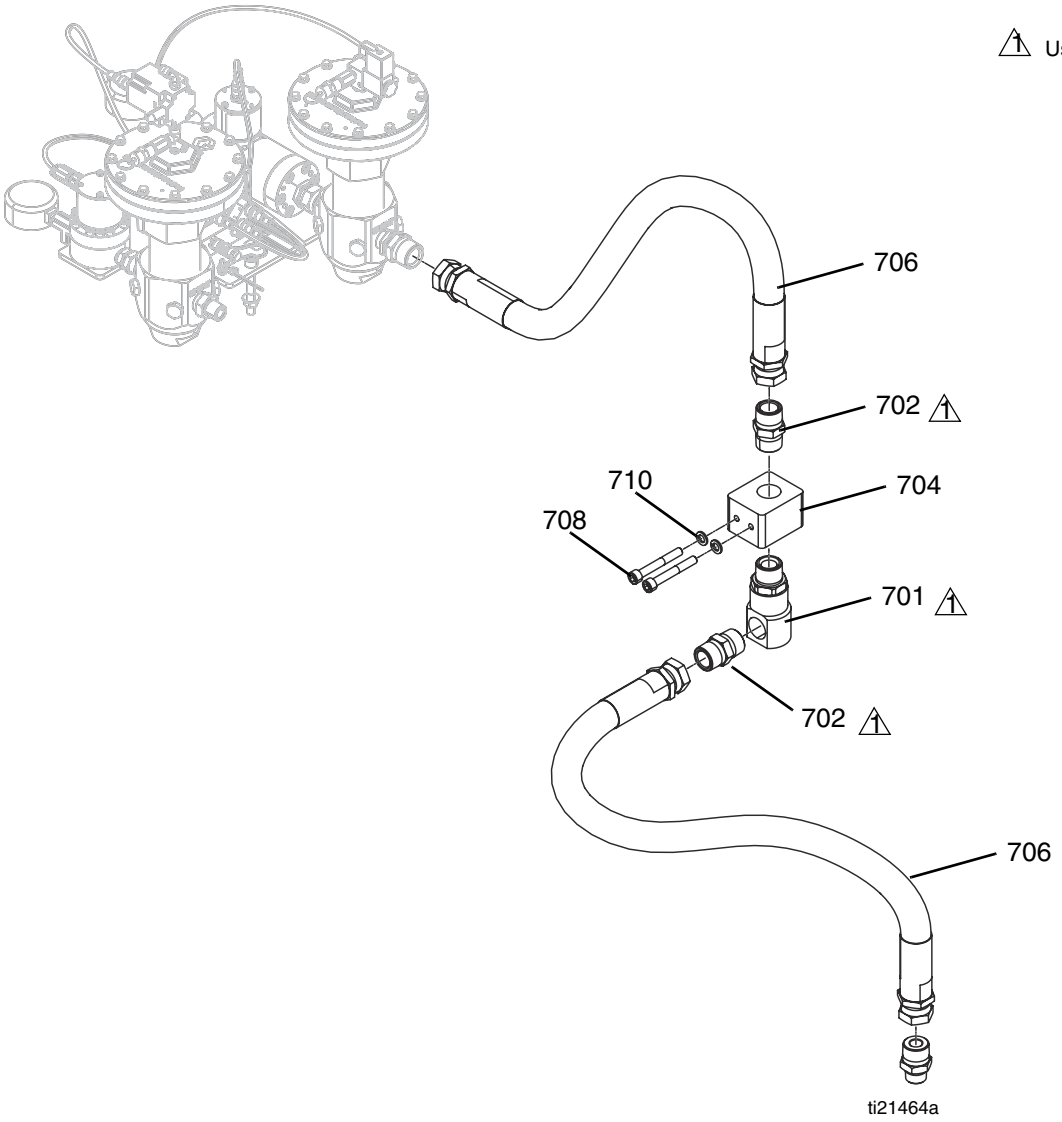

FIG. 25: High Volume Hose

Ref	Part	Description	Quantity
701	127025	FITTING, elbow, swivel, 1”npt	1
702	C38302	FITTING, nipple, 1” npt	2
703	C38304	FITTING, nipple, 1” x 3/4 npt	1
704	---	MANIFOLD, block, boom	1
706	16V239	HOSE, assembly	2
708	---	SCREW, shcs, M10-1.5x65mm	2
710	---	WASHER, lock, M10	2

Hose Kits

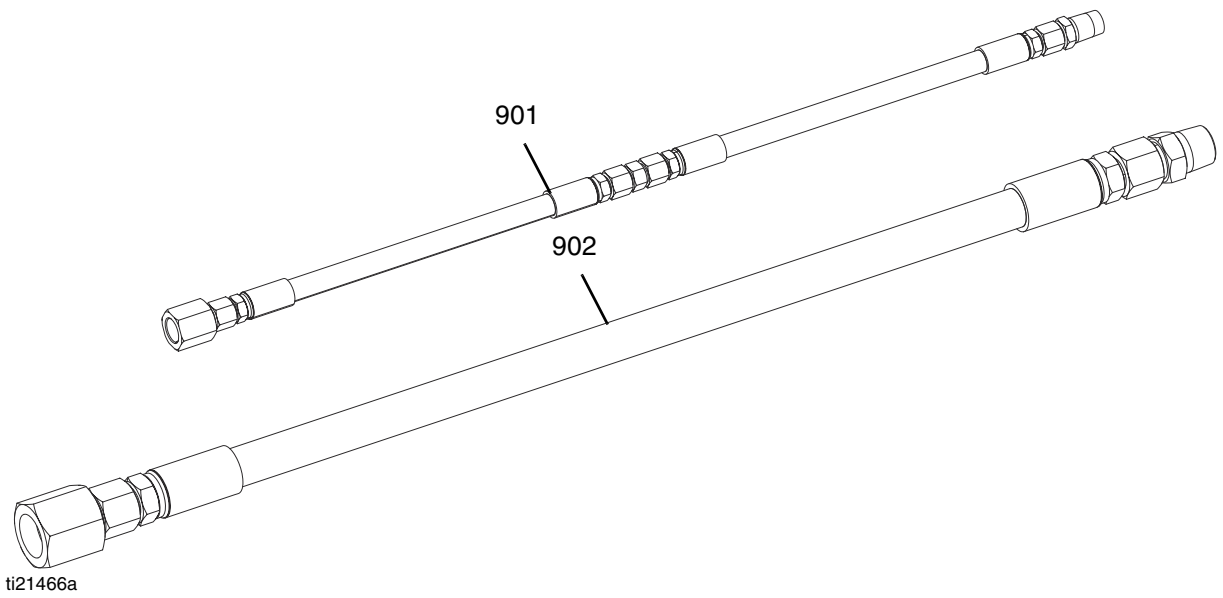

FIG. 26: Hose Kits

Ref	Part	Description	Quantity						
			24R832	24R833	24R834	24T092	24T093	24T094	24U253
901	24R805	HOSE, assembly, low volume, 1/8 in. x 5 ft. nylon, 1/8 in. x 5 ft. nylon	1						
	24R806	HOSE, assembly, low volume, 1/4 in. x 5 ft. stainless, 1/8 in. x 5 ft. nylon		1					
	24R822	HOSE, assembly, low volume, 1/4 in. x 5 ft. stainless, 1/4 in. x 5 ft. stainless			1				
	24T086	HOSE, assembly, low volume, 3/8 in. x 5 ft. stainless, 1/4 in. x 5 ft. stainless				1			
	24T087	HOSE, assembly, low volume, 1/8 in. x 5 ft. nylon, 3/32 in. x 5 ft. nylon					1		
	24T088	HOSE, assembly, low volume, 1/2 in.x 5 ft. stainless, 3/8 in. x 5 ft. stainless						1	
	24U252	HOSE, assembly, low volume, 3/32 in. x 5 ft. nylon, 3/32 in. x 5 ft. nylon							1
902	24R734	HOSE, assembly, dispenser, high volume	1	1	1	1	1	1	1

24R805, 24R806, 24R822, 24T086, 24T087, 24T088, 24U252 - Low Volume Hose Kits

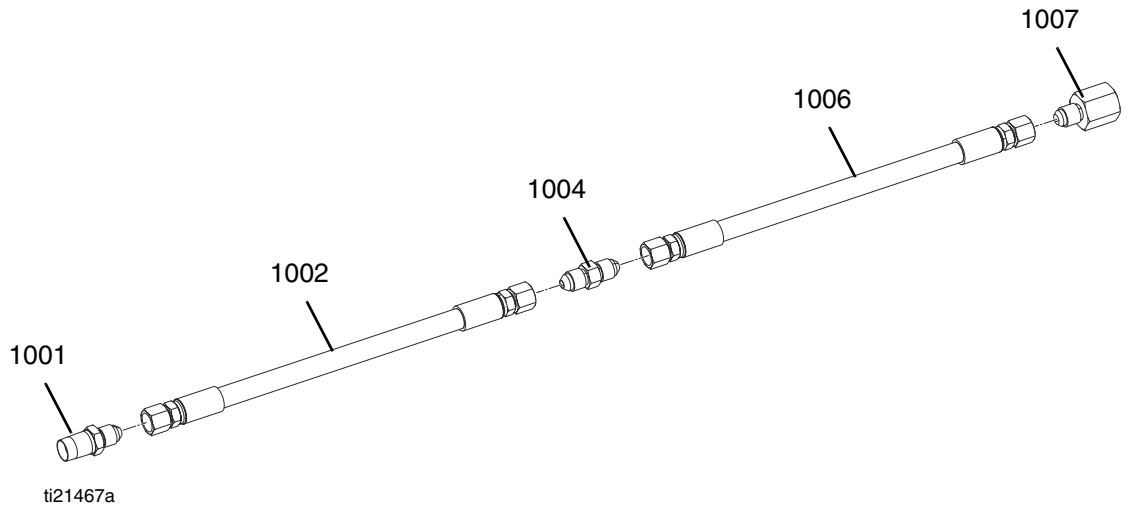

FIG. 27: Low Volume Hose Kits

Ref	Part	Description	Quantity						
			24R805	24R806	24R822	24T086	24T087	24T088	24U252
1001	124961	FITTING, adapter, 04jicx1/4npt	1	1	1		1		1
	116704	ADAPTER,9/16-18jic x 1/4npt				1			
	116703	ADAPTER, 3/4-16jic x 1/4npt						1	
1002	16W047	HOSE, assembly, 3/32”x60”							1
	16V531	HOSE, assembly, 1/8”x60”	1				1		
	16V219	HOSE, assembly, 1/4”x60”		1	1				
	16V220	HOSE, assembly, 3/8”x60”				1			
	16V221	HOSE, assembly, 1/2”x60”						1	
1004	123251	FITTING, union, jic04	1	1	1		1		1
	124852	ADAPTER, jic04 x jic06				1			
	126366	FITTING, union, jic08 x jic06						1	
1006	16W047	HOSE, assembly, 3/32”x60”					1		1
	16V531	HOSE, assembly, 1/8”x60”	1	1					
	16V219	HOSE, assembly, 1/4”x60”			1	1			
	16V220	HOSE, assembly, 3/8”x60”						1	
1007	127093	FITTING, adapter, 1/4npt x jic04	1	1	1	1	1		1
	124967	FITTING, adapter, jic06 x 1/4npt						1	

24R734 - High Volume Hose

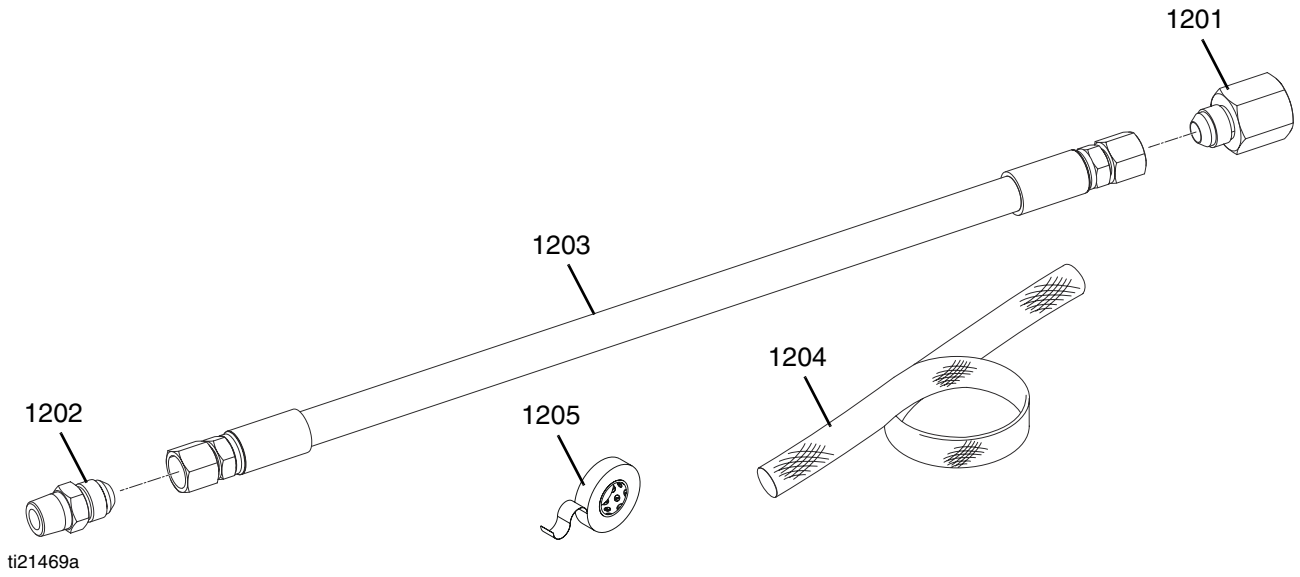

FIG. 28: High Volume Hose

Ref	Part	Description	Quantity
1201	126976	FITTING, adapter, 1/2nptf x 10jicm	1
1202	C20768	FITTING, straight	1
1203	16V311	HOSE, assembly, 5/8”x120”	1
1204	17C292	SLEEVE, protective, black, 8 feet	1
1205	127874	TAPE, electrical, roll	1

Dispense Valves

24P221 - Ultra-Lite™ TriCore

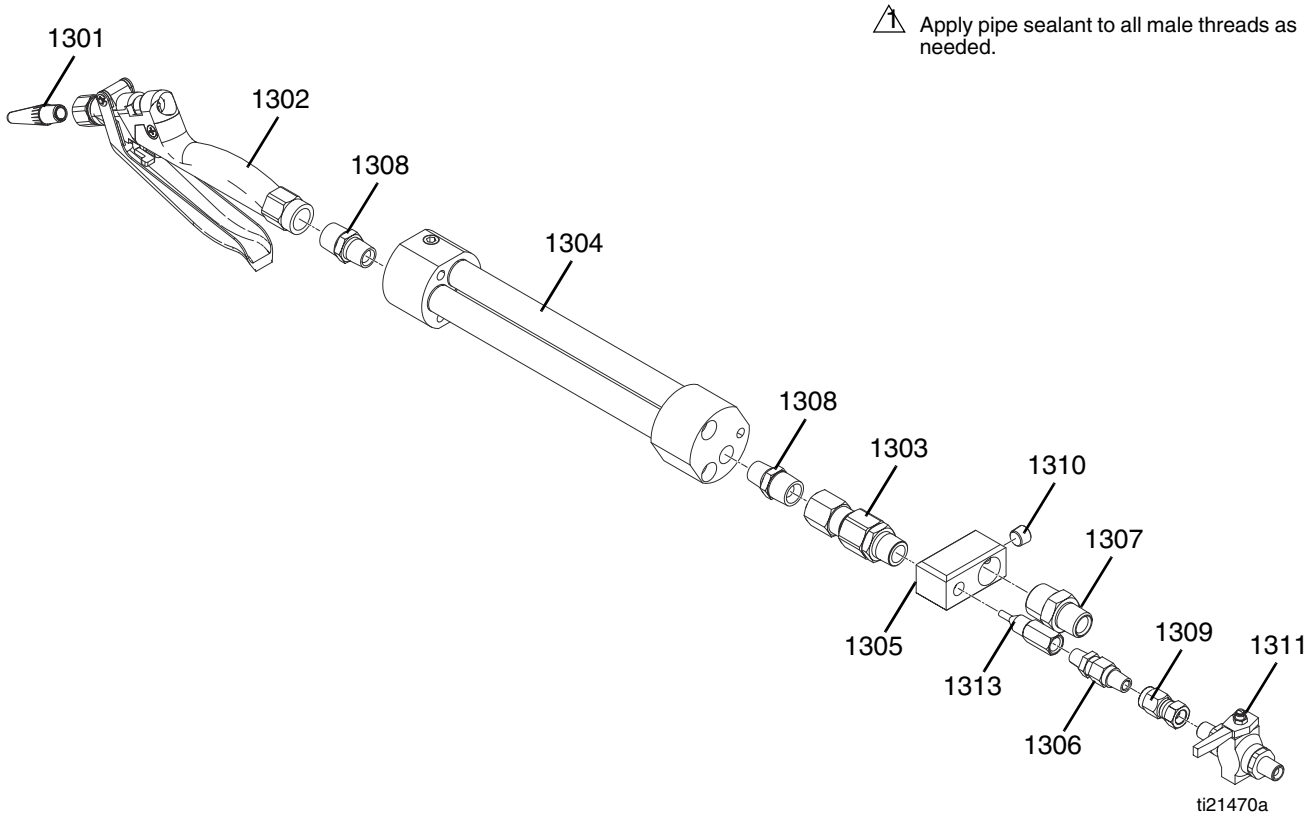

FIG. 29: Ultra-Lite TriCore

Ref	Part	Description	Quantity
1301	512135	NOZZLE, extrusion	6
1302❖	235628	GUN, flow, ultra-lite 6000	1
1303	207947	SWIVEL, straight, 1/2nptf x 1/2nptm	1
1304	24R682	MIXER, tri-core, high flow	1
	948081	MIXER, tri-core, low flow	1
1305	623875	MANIFOLD, mix	1
1306	127049	VALVE, check, 1/4npt	1
1307	196142	FITTING, adapter 1/2 npt x 3/4 npt	1
1308	159239	FITTING, nipple, pipe	2
1309	155570	SWIVEL, union	1
1310	100721	PLUG, pipe	1
1311	214037	VALVE, ball	1
1313	624157	HOUSING, injector 1/4 npt	1
1314★	116643	VALVE, safety, relief, air	2

❖ *Refer to specific component manual for more details.*

★ *Not shown.*

24R682 - Tri-Core Mixer

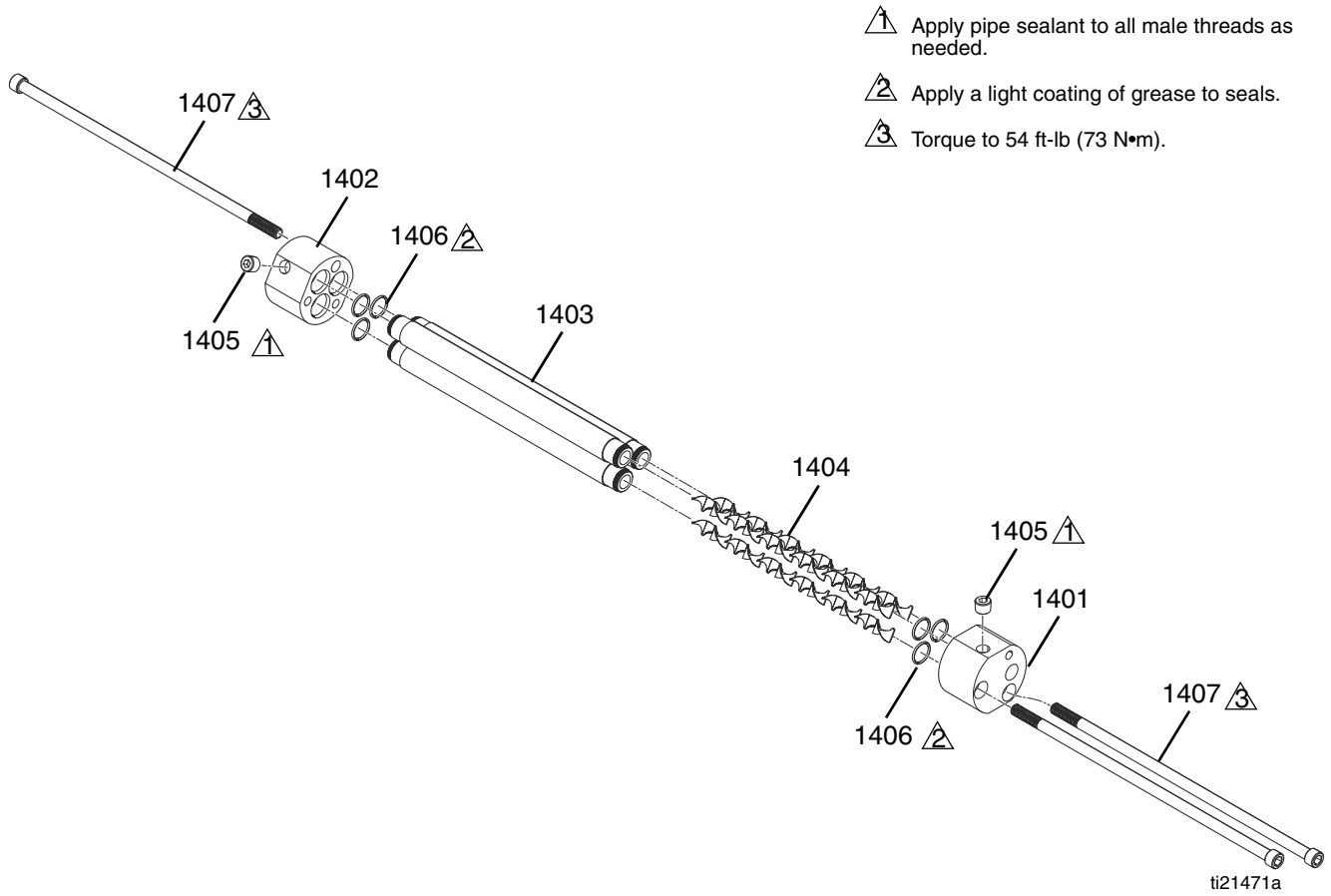

FIG. 30: Tri-Core Mixer

Ref	Part	Description	Quantity
1401	16V145	CAP, end, mixer, tri-core, inlet	1
1402	16V146	CAP, end, mixer, tri-core, outlet	1
1403	16V448	TUBE, crossover, tri-core	3
1404	127083	MIXER, static, 0.494dia x 12el, ss	3
1405	100721	PLUG, pipe	2
1406	111116	PACKING, o-ring, seat	6
1407	127081	SCREW, sockethead, 3/8-16x12 in.	3

24P223 - Ultra-Lite

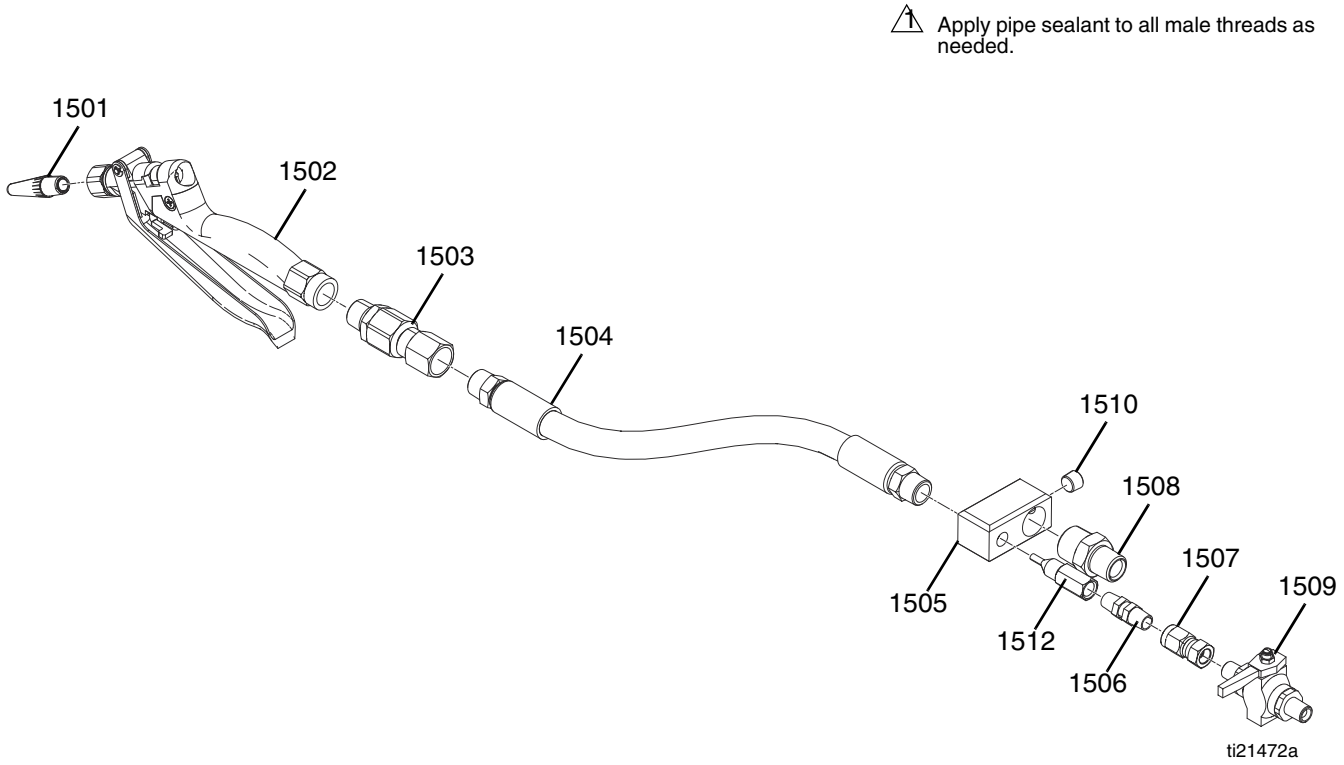

FIG. 31: Ultra-Lite

Ref	Part	Description	Quantity
1501	512135	NOZZLE, extrusion	6
1502❖	235628	GUN, flow, ultra-lite 6000	1
1503	207947	SWIVEL, straight, 1/2nptf x 1/2nptm	1
1504	948097	MIXER, hose, 36 element	1
	948315	OPTIONAL - MIXER, hose, 24element	1
1505	623875	MANIFOLD, mix	1
1506	195898	VALVE, check, 1/4 npt (m)	1
1507	155570	SWIVEL, union	1
1508	196142	FITTING, adapter 1/2 npt x 3/4 npt	1
1509	214037	VALVE, ball	1
1510	100721	PLUG, pipe	1
1512	624157	HOUSING, injector 1/4 npt	1

❖ *Refer to specific component manual for more details.*

24P217 - MD2

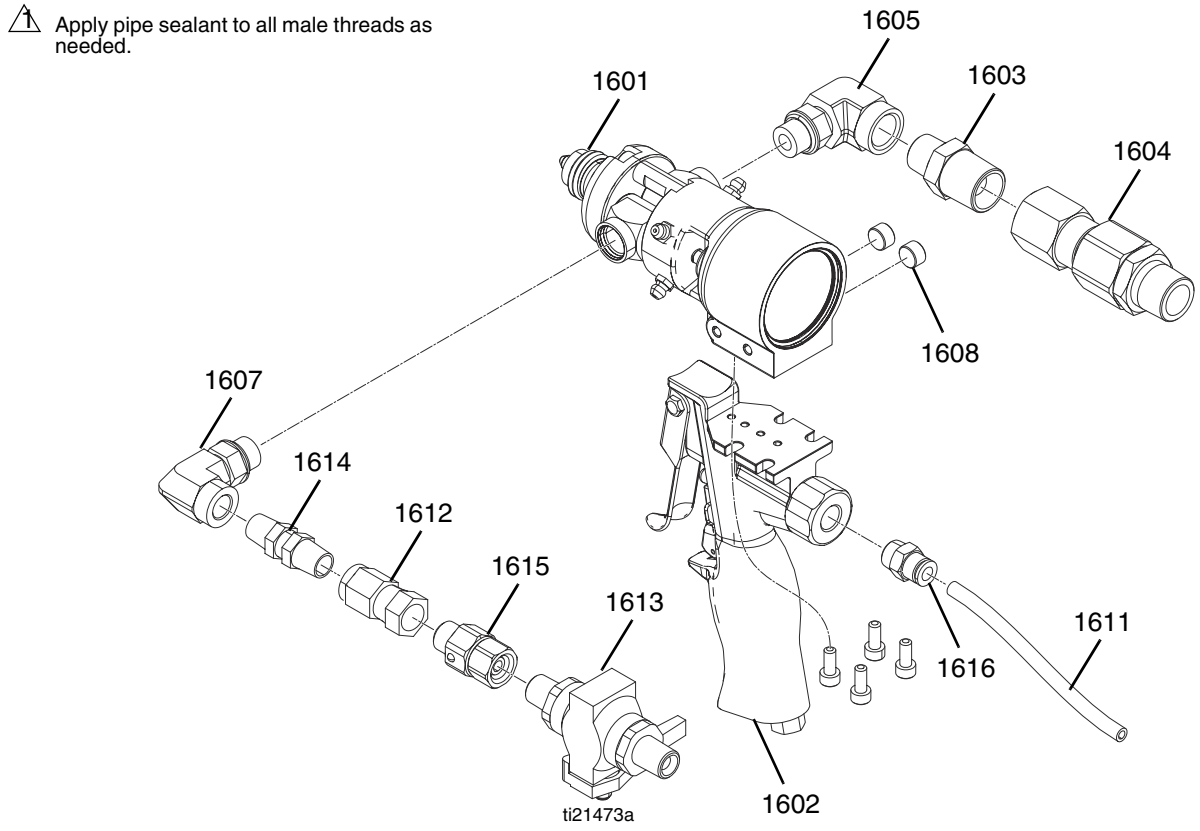

FIG. 32: MD2

Ref	Part	Description	Quantity
1601❖	255182	VALVE, dispense, 10:1, hard seats	1
1602	255206	HANDLE, 2k dispense valve, air	1
1603	159239	FITTING, nipple, pipe	1
1604	207947	SWIVEL, straight, 1/2nptf x 1/2nptm	1
1605	127104	FITTING, elbow, 3/8nptxsae06	1
1607	122969	FITTING, elbow, 1/4nptxsae06	1
1608	104765	PLUG, pipe headless	2
1610	15W744	SLEEVE, protective	30
1611	C12509	TUBE, nylon	30
1612	155570	SWIVEL, union	1
1613	214037	VALVE, ball	1
1614	195898	VALVE, check, 1/4 npt (m)	1
1615	189018	SWIVEL	1
1616	125428	FITTING, connector, male, 1/4 nptf	1

❖ *Refer to specific component manual for more details.*

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